Children's World

Year in Review 1994

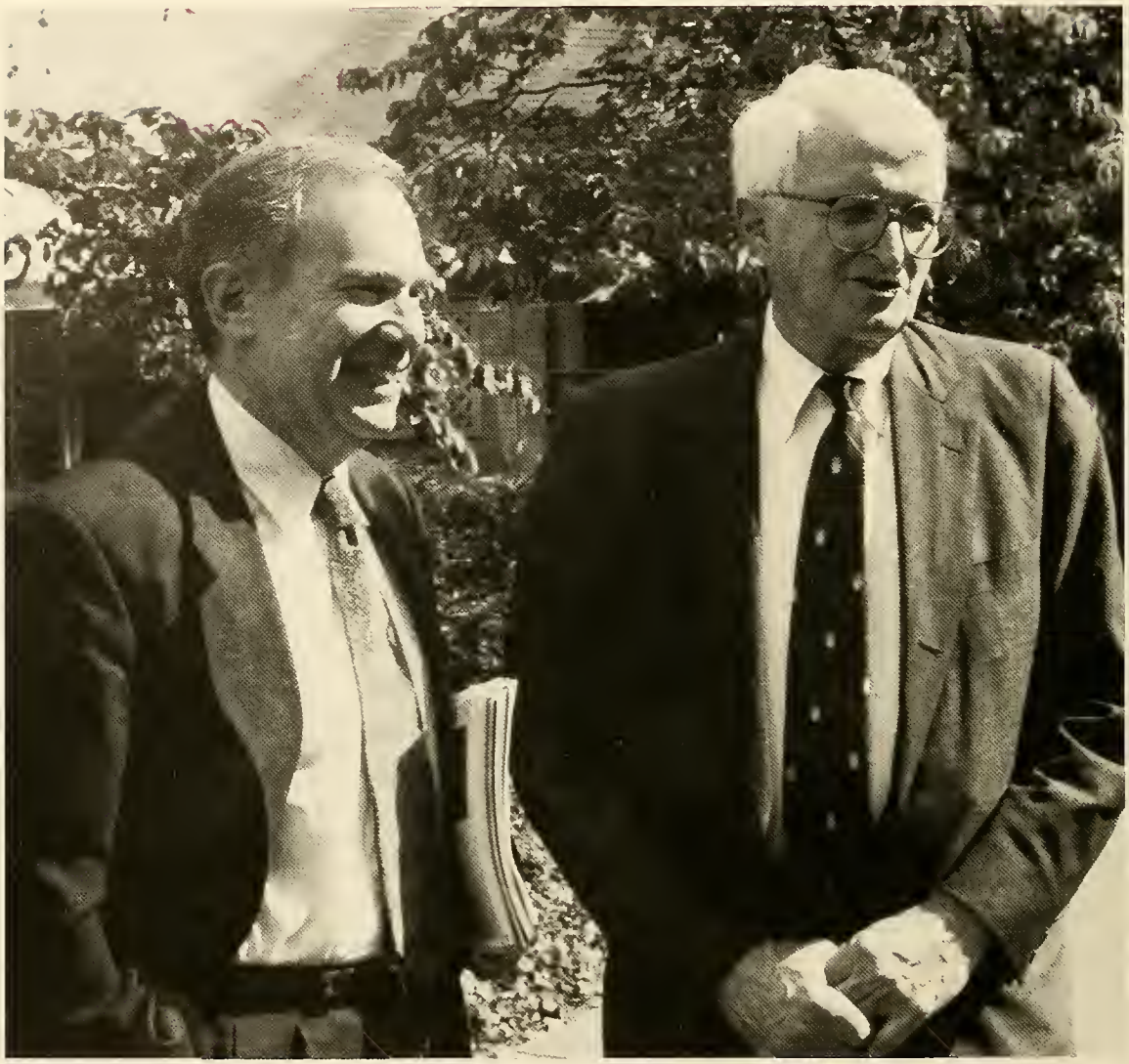
Contents

Message from the Chairman and President	2
Special Report: 125th Anniversary	5
1994 Activities and Accomplishments	7
Statistical and Financial Report	31
People and Departments	35

President: David S. Weiner
Chairman of the Board: George H. Kidder
Children's World is published by the Office of Public Affairs
Vice President for Development and Public Affairs: Anne Malone
Director of Public Affairs: Dinah Vaprin
Editor: Susanne A. Marshall

Year in Review

Message from the Chairman and President



David S. Weiner, hospital president, left, and George H. Kidder, chairman of the Board of Trustees

As we reach the midpoint of the last decade of the 20th century, Children's Hospital proudly celebrates its past while anticipating and preparing for its future. During 1994, the hospital commemorated its 125th anniversary of service and care for children and their families. Throughout the year, patients, families, visitors, and friends shared with us their gratitude for the wonderful work that goes on at Children's day after day. Names and faces have changed over the years, but the mission remains the same: to achieve and maintain the standard of excellence in pediatric patient care, research, and medical education. In the 125th anniversary year, the hospital also set a new course to improve its ability to meet the health needs of the broadest possible spectrum of the pediatric population in a health care environment undergoing great change.

At the time of last year's annual message, the country seemed poised for a major restructuring of the health care system through government-mandated reform. Instead, the transformation we are experiencing today is driven by the forces of the marketplace: lower reimbursement, shorter length of stay, the movement from inpatient to outpatient care, and anticipated limits on the

allocation of specialized services. As we look ahead, we see a health care environment increasingly characterized by managed care and delivery systems designed to meet the comprehensive health care needs of enrolled populations on a capitated basis. Economic forces are transforming the health care system and redefining both the patients' and providers' understanding of health.

For Children's, the responsibility for providing quality care to the communities we serve becomes all the more important in this changing landscape. Children's Hospital was founded to differentiate the care of children from that of adults. The founders believed, as we do today, that the care of children requires specially trained professionals responsive to a child's unique needs and experiences. And so today, as adult providers are organizing into networks and systems, we believe that a network for child health care also makes sense.

After careful reflection, the Board of Trustees, chiefs of service, and senior administration decided last fall to actively pursue the formation of a pediatric network. Deborah C. Jackson, named to the new position of vice president for Network Development and Community Services, is working with David S. Weiner to launch this exciting new effort. This new activity, based in the parent organization, Children's Medical Center, is developing alliances with community-based pediatricians and hospitals, other Harvard-affiliated institutions, managed care organizations, and payors. The goal is to create an integrated system that provides a continuum of care drawing upon all the child health resources available. We are very excited about designing a blueprint that will enhance the delivery of high-quality, cost-effective pediatric care to our young patients.

Part of this strategy involves strengthening the vital links that already exist between Children's and its referring physicians. Referring physicians have been invited to join Children's in developing the network and to form closer affiliations with the hospital, formally or informally. The network is ready to invest in systems of support that will help pediatricians in their management of patients, and to offer opportunities to share in the governance of the organization. The care of Children's patients begins when they enter their pediatrician's office, and it is this understanding that the new partnership with primary care physicians reflects.

Developing closer partnerships with managed care organizations means greater participation by HMOs and their physicians in hospital-based care. We have learned over the past year that such collaboration improves communication, provides greater continuity of care, and delivers more effective services both in terms of cost and quality. As these relationships evolve and all parties gain more experience in working together on behalf of patients, many more improvements and innovations in care will emerge from this teamwork between payors and the hospital.

The care of Children's patients begins when they enter their pediatrician's office, and it is this understanding that the new partnership with primary care physicians reflects.

Just as referring physicians and managed care organizations are moving into the hospital to take a greater role in the delivery of care to our patients, Children's physicians continue to move out into the community setting to provide more accessible specialty services. In February 1994, day surgery became available at the Beth Israel Hospital and Children's Hospital Medical Care Center in Lexington. And in October, the hospital announced plans to open Children's Hospital Medical Care Center at the Lahey Clinic North facility in Peabody in the spring of 1995. Satellite clinics offer the opportunity to become part of the local landscape, benefitting both patients and referring physicians.

Children's also provides pediatric emergency services at MetroWest Hospital; newborn nursery care at Newton-Wellesley and Winchester hospitals; and pediatric intensive care at Boston City Hospital and the University of Massachusetts Medical Center. These collaborations in community facilities are expected to increase as we discuss the mutual benefits and efficiencies the network can provide with other local institutions.

At the same time, in order to maintain high-quality programs and services and find new

ways to deliver care more cost effectively within the hospital setting, Children's physicians need to be much more involved in institutional decision making at every level. Accordingly, Children's has reorganized senior management and named Michael F. Epstein, M.D., executive vice president and chief operating officer. Dr. Epstein, who had served as vice president for Medical Affairs since 1989, will lead a newly established Operating Committee comprised of administration and physician leadership who, as a team, will be responsible for the clinical, operational, and financial performance of the hospital.

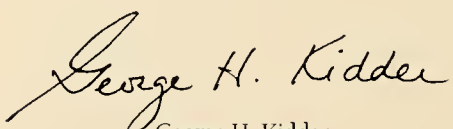
The medical staff has formed a Physicians' Organization, or P.O., with representatives on the hospital's Board of Trustees as well as the Operating Committee. Closer collaboration among physicians, administrators, and trustees will make possible the innovation in care delivery and the thoughtful allocation of resources that are vital in the new environment.

For example, this year the hospital undertook a new initiative in response to continuing trends affecting the medical service of higher volume but reduced length of stay. The Short Stay Unit, a pilot program, was designed for patients admitted with medical conditions such as asthma, bronchiolitis, or high fever that can be treated in 72 hours or less. The short stay model allows for greater participation by the referring physician, and joint attending, resident, and nursing rounds. Unit-based staff from several hospital departments provide services around the clock, including weekend discharge planning and coordination of home care. The result is a much more efficient and responsive approach to the care of these patients, one that may serve as a model for other hospital units.

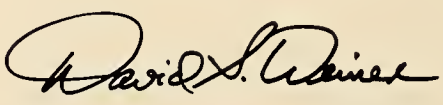
Another exciting multidisciplinary effort undertaken by the hospital to enhance delivery of care is the development of clinical practice guidelines (CPGs). A CPG is a plan of care that serves as a guide for clinical decision making for high volume medical and surgical diagnoses. CPGs provide a framework within which to review care and improve clinical practice, allowing for improved quality and decreased cost.

All of this absorbing activity comes at a time when a new generation of clinical leadership is taking the helm. As described elsewhere in this report, new chiefs of service appointed this year include Richard A. Jonas, M.D., cardiovascular surgeon-in-chief; James R. Kasser, M.D., orthopaedic surgeon-in-chief; and James E. Lock, M.D., cardiologist-in-chief. All three physicians come to these leadership roles from within the hospital's own medical staff, where they have already applied their immense skill to the task of shaping patient care for a new era.

Popular wisdom holds that the only constant in this world is change. Children's is no stranger to change. Through 125 years of service, Children's has excelled in providing the standard of care in pediatric medicine. The institution that paved the way for the eradication of polio, revolutionized cancer treatment for children, and introduced the surgical repair of congenital cardiovascular defects can meet the new challenges by bringing to bear the same resources of talent and dedication on the new realities of health care economics. What we must do above all else is preserve access for children to the very best care, and continue to define that care through research and education. Thousands of children and their families depend on Children's for hope, for care, and for a future.



George H. Kidder
Chairman of the Board



David S. Weiner
President

Fashion designer Bill Blass, right, chats with Children's President David S. Weiner and Cynthia R. Boardman, co-chair of the Bill Blass Benefit Fashion Show and Dinner Dance, which was held in honor of Children's 125th Anniversary.

125

CHILDREN'S HOSPITAL
1869 - 1994

Hospital marks 125th Anniversary

Children's 125-year history of excellence in pediatric care was commemorated throughout 1994 with special exhibits and events showcasing the institution's distinguished achievements.

Celebrations marked this institutional milestone for the hospital family of employees, medical staff and alumni, volunteers, donors, and the neighboring community. The 125th Anniversary Dinner, held at the Copley Plaza Hotel in April and attended by trustees, overseers, donors, medical staff, and administrators, was the kick-off event for the 125th Anniversary festivities. Keynote speaker Senator Edward M. Kennedy and special guest Mayor Thomas M. Menino both applauded Children's accomplishments in patient care, research, and teaching, and the hospital's ongoing commitment to the welfare and health of children in Boston and beyond.

In May, the Bill Blass Benefit Fashion Show and Dinner Dance, organized by co-chairs Cynthia R. Boardman, a hospital overseer, Lloyd Cutler, and Tania G. Smith, also an overseer, was held in honor of Children's 125th Anniversary at the Prudential Center. The fashion show production was sponsored by Saks Fifth Avenue and premiered the Bill Blass Fall 1994 Collection. The event raised nearly $250,000, a portion of which will support the Cardiovascular Program.

Members of Children's Maintenance Department, from left, Jerry Micherda, Glen O'Donell, Richard Goyuk, Zbig Sikorski, and Keith McLeod, line up for lunch at the Employee/Volunteer 125th Anniversary Celebration, held in the Prouty Garden in June.

In June, the Employee/Volunteer 125th Anniversary Celebration brought together hospital employees, staff, and volunteers for a barbecue and picnic in the Prouty Garden. Anniversary breakfasts were held for employees and staff at the Medical Care Center in Lexington and Martha Eliot Health Center in Jamaica Plain.

Many of the hospital's accomplished medical alumni from throughout the world returned to Children's in June for the 125th Anniversary Medical Staff and Alumni Weekend. More than 200 participants attended academic sessions presented by medical alumni in Enders Auditorium, a reception at the Harvard Club, and a dinner at the Museum of Fine Arts.

Other special events commemorating the anniversary included the 125th Anniversary Nursing Service Celebration held in April; the opening of the hospital library in September; the Children's Hospital League Festival held at the Atrium in Chestnut Hill in December; and the 1994 WBZ-Children's Hospital Telethon in December.

Children's staff also participated in a number of community fairs held throughout Boston during the anniversary year, distributing information on child health and the hospital's community-oriented programs.

A 125th anniversary exhibit was on display throughout the year in the Main Lobby chronicling the many milestones in the hospital's 125 years as a leader in pediatrics. Archival photos highlighted the mission and people of Children's patient care programs and academic life, including research and teaching. A portable exhibit was also on display at the Boston Public Library for the month of September and at the Massachusetts State House in October.

Edward Vartanessian, 4, studies the 125th Anniversary exhibit in the hospital's Main Lobby.

1994 Activities and Accomplishments

Strides in Patient Care

Rita Gibes Grossman, M.S., R.N., left, Donald A. Goldmann, M.D., and Sharon Lefever, clinical practice guidelines (CPGs) assistant, confer about recently developed CPGs.

Clinical practice guidelines instituted for common pediatric diagnoses

As part of the Continuous Improvement effort, the hospital instituted a formal process for developing clinical practice guidelines (CPGs) in 1994, managed by the CPG Program. A CPG is a multidisciplinary plan of care that serves as a guide for clinical decision making, ensuring that high-quality, cost-effective care is delivered in a timely manner.

A CPG Steering Committee, chaired by Martha A.Q. Curley, M.S.N., R.N., C.C.R.N., critical care clinical nurse specialist in the Multidisciplinary Intensive Care Unit, and Donald A. Goldmann, M.D., senior associate in Medicine (Infectious Diseases) and medical director of Quality Improvement, determined that CPGs should be developed for medical and surgical diagnoses for which variation in practice patterns and an opportunity for improved care exist. While CPGs present a general approach to the average case, deviation from a CPG to individualize care when appropriate is expected.

Clinical working groups developed efficient, logical pathways of care for urinary tract infections, newly diagnosed diabetes, emergency room management of asthma, and osteomyelitis/septic arthritis, all of which were piloted in 1994. A second round of CPGs was implemented for cerebral spinal fluid shunts, total parenteral nutrition, pulmonary exacerbations of cystic fibrosis, and extracorporeal membrane oxygenation in early 1995. The CPG Program, coordinated by Rita Gibes Grossman, M.S., R.N., was launched based on guidelines developed in 1993 for certain cardiovascular procedures and pelvic inflammatory disease.

Mitochondrial program established

Children's established a Mitochondrial Disorders Program in January 1994 to coordinate the range of services needed by patients and families affected by neurodegenerative mitochondrial disorders. Caused by mutations in the mitochondrial or nuclear genetic makeup that limit cells' ability to produce sufficient energy, these conditions can result in developmental delay, vision and hearing problems, muscle weakness, seizures, and heart, liver, and kidney disease.

Directed by Fran Dougherty, M.D., assistant in Medicine (Genetics), the multidisciplinary program is staffed by a physician, nurse, social worker, nutritionist, and developmental psychologist and follows more than 30 patients with mitochondrial disorders.

MICU staff supports area hospitals

As part of Children's many efforts to establish cooperative relationships with area institutions and referral centers, in July Children's Multidisciplinary Intensive Care Unit (MICU) began providing staff support to pediatric intensive care units at Boston City Hospital (BCH) and University of Massachusetts Medical Center in Worcester, Mass. Children's physicians supplement the existing staff by rotating through each institution and offer continuing education in advanced tertiary care.

In addition, Robert C. Pascucci, M.D., senior associate in Anesthesia and associate director of the MICU, assumed directorship of BCH's Pediatric Intensive Care Unit July 1. His responsibilities include coordinating consultations between BCH and Children's MICU staff, and training BCH house staff in critical care.

Children's welcomes Pilgrim patients

Beginning January 1995, Children's became Pilgrim Health Care's (PHC) central child health resource. During 1994, the hospital prepared for the expected increase in the number of PHC patients to ensure continuity of care. A transition team, led by Michael F. Epstein, M.D., executive vice president and chief operating officer, was established to inform Pilgrim physicians about Children's services and medical staff privileges, appoint physician liaisons for Pilgrim primary care physicians in each of Children's clinical departments, and ensure that systems are in place to guarantee seamless care for children with critical and chronic conditions.

Lexington center offers surgery

In February 1994, the Beth Israel Hospital and Children's Hospital Medical Care Center in Lexington added day surgery for a number of routine procedures to its offerings. The multispecialty ambulatory surgical unit, staffed by Children's anesthesiologists, has four state-of-the-art operating suites and is used by Children's staff in Otolaryngology and Communication Disorders, Orthopaedic Surgery, Gynecology, Urology, Ophthalmology, Plastic Surgery, General Surgery, and Oral Surgery.

The Medical Care Center offers patients and families who live north and west of Boston convenient access to Children's and Beth Israel health care providers.

Judie Jackson, B.S.N., R.N., staff nurse I on 8 East, and Marc N. Baskin, M.D., talk with Ruben Arce, 13, on the Short Stay Unit.

Short Stay Unit piloted

Children's piloted a Short Stay Unit for medical service patients admitted for 72 hours or less in September. This initiative is an innovative response to the recent trend of decreasing length of stay, providing high-quality care in a cost-effective and timely manner. Children who are admitted to the unit have illnesses, such as asthma, bronchiolitis, cellulitis, or pneumonia, that lend themselves to a standardized management of care during a brief hospitalization.

The unit, operating on 8 East and 7 East, encourages referring physician involvement in patient care and has implemented joint attending, resident, and nursing rounds to coordinate and expedite care. This collaborative effort also involves unit-based staff from hospital departments, including Child Life Services, Nutrition and Food Service, Pharmacy, Social Work, and the Patient Care Coordination Center, providing services 24 hours a day to ensure patients receive optimal care and are discharged in a timely fashion.

Co-chairs of the Short Stay Unit Steering Committee are Patricia A. Rutherford, M.S., R.N., nursing/patient service director for Infant Medicine and the Short Stay Unit, and Frederick H. Lovejoy Jr., M.D., associate physician-in-chief. Marc N. Baskin, M.D., assistant in Medicine (Emergency Medicine), is the service chief of the unit.

Progenitor stem cell transplant patient Allison Berardo, 7, visits with Patricia Kent, R.N., right, and Dee Galacki, R.N., therapeutic apheresis nurses.

Progenitor cell transplants initiated

Peripheral blood progenitor cell (PBPC) transplantation was initiated at Children's in late 1993 as a promising new therapy in treating malignancies in children. PBPC transplantation involves the collection of progenitor cells, which differentiate into mature blood cells, from the blood stream and the return of the cells after high-dose chemotherapy treatments. The returned progenitor cells differentiate, replacing blood cells that are damaged during chemotherapy.

The primary benefit documented from this therapy is that patients make quicker recoveries of blood cells, including platelets important for clotting and infection-fighting white blood cells, resulting in fewer transfusions and shorter hospital stays. To date, six children have undergone PBPC transplants at Children's. Currently, patients with newly diagnosed advanced stage neuroblastomas and sarcomas are eligible for this treatment.

Children's, HCHP strengthen partnership

Throughout 1994, Children's and Harvard Community Health Plan (HCHP) worked closely together to establish policies and systems to ensure that HCHP patients receive quality care and service at Children's. During the summer of 1993, Children's signed a contract with HCHP designating Children's as the principal pediatric facility for hospital-based care for all HCHP members.

An HCHP Services Office was established off the hospital's Main Lobby, which serves as HCHP's administrative center, and last spring John W. Graef, M.D., associate in Medicine (General Pediatrics), was appointed chief of HCHP Services, and James Pert, M.D., pediatrician at HCHP's Medford center, was named associate chief. Graef and Pert are responsible for coordinating clinical care for all HCHP patients at the hospital and facilitating communication between Children's and HCHP staffs.

Since the contract went into effect, HCHP physicians serve as attending physicians for their patients admitted to a Children's medical service and co-manage specialty cases with Children's attending physicians. HCHP liaison nurses, based in Children's Patient Care Coordination Center, are involved in coordinating care between inpatient and outpatient settings and discharge planning on inpatient units for HCHP patients.

Interventional radiology expands

Patricia E. Burrows, M.D., chief of the Section of Vascular/Interventional Radiology in the Department of Radiology, during 1994 expanded Children's technological capabilities to enable early treatment of infants and children with blood vessel malformations, averting cardiac and neurological damage. New imaging equipment, including updated and upgraded doppler, angiographic, and magnetic resonance imaging systems, will strengthen the program's neurointerventional capabilities, allowing more effective treatment of children with vascular malformations of the face, spine, and brain.

Research Highlights

Urine test may guide cancer treatment

Elevated levels of fibroblast growth factor (FGF), a protein known to trigger new blood vessel growth that stimulates tumor development and metastasis, have been identified as a marker for recurring or advancing cancer in some patients. A study by Judah Folkman, M.D., director of the Surgical Research Laboratories who identified FGF in 1983, and Mai Nguyen, M.D., formerly a research fellow at Children's, reported in the March 1994 issue of the *Journal of the National Cancer Institute* that abnormally high levels of FGF were found in the urine of patients with active bladder and other cancers. The study's results indicate that in the future simple urine tests that measure FGF may be used to monitor cancer treatment progress or forewarn of recurrences.

Children's researcher discovers mechanism that controls metastasis

In a study published in the Oct. 17 issue of *Cell*, Michael S. O'Reilly, M.D., research fellow in Surgery, and his colleagues in the Surgical Research Laboratories demonstrated how removal of a malignant primary tumor spurs growth of remote tumors, or metastases, a phenomenon that has puzzled researchers for almost a century. Nearly 50 percent of cancer patients are eventually diagnosed with some form of metastasis, often within months of surgery.

Building on a foundation of knowledge accumulated by Judah Folkman, M.D., director of the Surgical Research Laboratories, over the course of his 30-year investigation of angiogenesis (new blood vessel development) and its role in tumor development, O'Reilly identified a protein generated by the primary tumor that prevents angiogenesis in remote cancer sites. O'Reilly and Folkman have named this potent, nontoxic angiogenesis inhibitor angiostatin.

Children's has formed an agreement with EntreMed, Inc., a biopharmaceutical company in Rockville, Md., to produce a recombinant version of the protein so that a sufficient supply of angiostatin will be made available for eventual clinical trials. Although optimistic about angiostatin's potential therapeutic application, Folkman and O'Reilly predict it will be many years before a clinical application of angiostatin is widely available.

Robert J. D'Amato, M.D., Ph.D., examines a chicken embryo treated with thalidomide to test for angiogenesis inhibition.

Thalidomide discovered as possible treatment for blinding diseases

In a study published in the April 26 issue of the *Proceedings of the National Academy of Science*, a Children's research team led by Robert J. D'Amato, M.D., Ph.D., research associate in Surgery, demonstrated that thalidomide, a sedative widely prescribed in Europe in the 1950s and later discovered to cause birth defects when taken by pregnant women, may show promise in preventing diabetic retinopathy and age-related macular degeneration. Affecting almost three million Americans, diabetic retinopathy and age-related macular degeneration are the leading causes of adult-onset blindness in the United States.

D'Amato based his work on the premise that thalidomide caused birth defects by inhibiting blood vessel growth during fetal development and would also block the abnormal blood vessel growth in the retina that characterizes these two blinding disorders. In laboratory experiments, D'Amato successfully used thalidomide to halt abnormal blood vessel growth in rabbit corneas.

Clinical trials using thalidomide to treat a small number of patients with macular degeneration began at the Scheie Eye Hospital in Philadelphia in February 1995.

William J. Landis, Ph.D., holds the test unit containing bone cells that traveled on the space shuttle Endeavor with, from left, Diana Berkery, research technician; Karen Hodgens, senior research technician; Cameron Owen, Ph.D., postdoctoral fellow; and Louis Gerstenfeld, Ph.D., research associate in the Laboratory for Skeletal Disorders and Rehabilitation.

NASA shuttle takes Children's experiment into space

An experiment by researchers in Children's Laboratory of Skeletal Disorders and Rehabilitation was one of three experiments nationwide to be launched into space in April on the first space shuttle flight jointly sponsored by the National Aeronautics and Space Administration (NASA) and the National Institutes of Health.

The experiment to determine whether loss of gravity affects bone cell cultures was designed by William J. Landis, Ph.D., senior research associate in Orthopaedics, and his colleagues to provide new insight into changes in bone tissue on earth after exercise, severe injury, onset of certain degenerative diseases, or prolonged bed rest. Data collected since the shuttle mission indicate that absence of gravity slows bone growth and development.

Landis and his team were invited to send a second experiment involving bone cells into space in February 1995. This experiment was designed to provide further data for the team to evaluate.

Study demonstrates importance of thalamus in cognition

A study of the brain of Karen Ann Quinlan, who was well known as the subject of the landmark 1976 court case that launched the nation's right-to-die movement, has shown that the thalamus is more critical to cognition and awareness, and less essential to wakefulness, than previously thought. The findings were published in the May 26 *New England Journal of Medicine* article by Hannah C. Kinney, M.D., neuropathologist in Pathology.

Quinlan came to the world's attention when her parents sought permission from the court to remove her from life support after a year spent in a persistent vegetative state following cardiopulmonary arrest. Despite termination of ventilator support when the court found in her parents' favor, Quinlan lived in a persistent vegetative state until her death from overwhelming infection in 1985.

Using advanced imaging techniques, Kinney examined Quinlan's brain and spinal cord, which had been preserved since her death, and found extensive damage to the thalamus and, unexpectedly, little damage to the cerebral cortex where many higher brain functions take place. Kinney's discovery lends support to a theory gaining credence among scientists that the thalamus plays an essential role in cognitive processing.

Research Faculty Council institutes new programs

During the past year, the Research Faculty Council (RFC), a representative faculty group that discusses research issues, broadened its membership and instituted new programs aimed at meeting the needs of researchers and the entire hospital community.

A Hospital-Based Research Subcommittee was formed in the fall of 1993, expanding RFC membership to all hospital researchers, not just those based in the Enders Building. This subcommittee is charged with meeting the needs of clinical researchers.

In November 1993, a faculty-run training program was developed by the RFC to educate research fellows in research conduct, including issues of authorship, fairness in collaboration standards, and informed consent. Nearly 300 Children's fellows participated in this program during the 1994 fiscal year.

The council also introduced during the summer of 1994 a Biomedical Research Training Program for five college students from groups nationally underrepresented in the medical and research fields. The eight-week program, designed for African Americans, Latinos, and Native Americans, paired each student with a mentor to work on a research project and offered basic science lectures, biotechnology workshops, and patient care discussions, allowing the students to explore career opportunities in science.

Gene therapy program launched

Recognizing the increasingly important role of gene therapy in the development of new medical treatments, in 1994 the Board of Trustees approved a plan to develop a gene therapy program at Children's. Start-up funds have been allocated, and a search is under way to recruit a senior scientist to lead the effort.

The program, to be based at Children's, will be the nucleus of gene therapy efforts within a Harvard Institute for Human Genetics.

Heidelise Als, Ph.D., left, with Hayley Goldstein, 7 weeks, and her mother, Marilyn, in the Neonatal Intensive Care Unit

Individualized care for newborns improves outcomes

Low-birthweight infants in neonatal intensive care units may benefit medically and neurodevelopmentally from individualized care based on infants' responses to their environment, according to a study by Heidelise Als, Ph.D., associate in Psychology.

Als' study, which appeared in the September 21 issue of the *Journal of the American Medical Association*, followed 38 premature infants and found that an individualized approach to treatment improved medical and developmental outcomes. A developmental psychologist and clinical nurse specialist observed and documented the infants' behavior to determine their sensitivity to procedures and environmental factors, such as light and sound levels in the nursery, and to identify their preferred resting and sleeping positions. They then worked with nursing staff and parents to learn to interpret and respond to the infants' cues. Compared to the control group, the experimental group experienced a number of benefits, including significantly greater daily weight gain, shorter hospital stays, earlier oral feeding, and reduced durations of mechanical ventilation.

Team discovers common mechanism in Alzheimer's, diabetes

An excessive accumulation of the amylin protein in the pancreas may contribute to the development of adult-onset (type 2) diabetes, according to a study that was jointly conducted by researchers at Children's and Joslin Diabetes Center. Bruce Yankner, M.D., Ph.D., assistant in Neurology at Children's, led the team whose work was published in the April 21 issue of *Nature*.

Similar to the beta amyloid protein, which Yankner's research team discovered in 1990, that is involved in the destruction of brain tissue in patients with Alzheimer's disease, the amylin protein causes insulin-producing cells to degenerate and die.

In a December issue of *Proceedings of the National Academy of Sciences*, Yankner and his colleagues reported another discovery that a molecule called Congo red can block the toxic effects of both the Alzheimer amyloid protein and diabetes-associated amylin protein. Congo red may provide a prototype for drugs that prevent or delay the development of Alzheimer's and type 2 diabetes. Approximately 5 to 6 million Americans have been diagnosed with adult-onset diabetes, and 5 million have been diagnosed with Alzheimer's disease.

Institutional Highlights

First Lady Hillary Rodham Clinton works on a craft project with Children's patients Max Saintfort, 11, and John Machairas, 4.

Hospital visited by First Lady

Children's was honored with a visit by First Lady Hillary Rodham Clinton in September. Accompanied by Senator Edward M. Kennedy, Mrs. Clinton took part in arts and crafts activities with Children's patients in the Patient Entertainment Center and addressed more than 400 staff members in the Pavilion Lobby. Mrs. Clinton applauded Children's for its accomplishments in patient care and research, and spoke of the importance of providing universal health care for children and securing a future for institutions like Children's under any health care reform program.

Hospital takes active role in health care reform

Throughout 1994, members of Children's staff worked to convey to Congress and President Clinton the hospital's concern that any health care reform package provide universal coverage and a standard benefit package that meets the needs of the pediatric population. As part of these efforts, staff expressed the hospital's position that a reform package should include provisions for care of children with special needs and ensure families access to pediatric specialists.

In addition, Children's staff collaborated with representatives of the city's other major teaching hospitals to ensure that a reform package would include funding for graduate medical education and research.

Efforts included one-on-one meetings with members of Congress and their staffs; a meeting with President Clinton of the city's major teaching hospitals' chief executive officers, including Children's President David S. Weiner; and collaborative efforts with national advocacy groups.

Although a health care reform package was not passed by Congress in 1994, Children's continues to advocate for the health care needs of children.

National surveys recognize Children's

For the fifth consecutive year, Children's ranked higher than any other pediatric institution in the country in the annual hospital survey published by *U.S. News and World Report*. More than 35 percent of the physicians surveyed selected Children's as one of the best pediatric hospitals in the nation.

In addition, 74 Children's physicians were listed in the second edition of the book, The Best Doctors in America. The book lists doctors most highly recommended by thousands of medical specialists nationwide in more than 350 specialties.

Hospital to open Peabody center

In the fall of 1994, Children's announced that it would open a satellite center in the Lahey Clinic North facility in Peabody that is also occupied by Lahey Clinic, AtlantiCare Medical Center, Beverly Hospital, and Joslin Diabetes Center. This spring, Children's will begin providing pediatric specialty services at the center, which was opened by Lahey Clinic in October. Through this center, families north of Boston will have convenient access to Children's specialists as well as adult care providers from several institutions in one location.

New library centralizes resources

The new Children's Hospital library, located on the Fegan Plaza, opened in September. The 5,200-square-foot facility centralizes for the first time all of the hospital's information resources and is open to staff 24 hours a day. The library also houses a modified reconstruction of the Gamble Reading Room, formerly located in an old laboratory building and fondly remembered by many Children's staff members as a favorite gathering site from the late 1920s through 1964.

A fund-raising campaign, led by S. Jean Emans, M.D., co-chief of the Division of Adolescent/Young Adult Medicine and chair of the Library Committee, and Robert S. Michaels, M.D., associate in Medicine (General Pediatrics) and president of the Medical Staff Association, raised more than $100,000 from Children's Hospital staff and alumni to support a library endowment fund.

Hospital evaluated by JCAHO

In the fall of 1994, Children's was evaluated by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO), which sets standards for, evaluates, and makes recommendations to health care organizations with the aim of improving patient care. The five-day evaluation is performed every three years.

The 1994 review focused on evaluating interdisciplinary functions and processes that facilitate patient care. Over the past several years, Children's has been developing cross-functional, multidisciplinary systems, such as the hospital's integrated care delivery model and Continuous Improvement projects, that are consistent with the standards espoused by the JCAHO.

Participation in the JCAHO accreditation program is necessary to retain Massachusetts Department of Health licensure, participate in graduate medical education programs, collaborate with other acute care hospitals, and receive Medicare patients. A full report on the evaluation will be presented in 1995.

Children's leads disaster team

Children's was selected in the spring of 1994 by the National Disaster Medical System (NDMS) to establish a pediatric team of clinicians to respond to national and international disasters that involve pediatric patients. Organized by Gary R. Fleisher, M.D., chief of the Division of Emergency Medicine, and Dennis P. Lund, M.D., associate in Surgery and director of the Trauma Program, the team will be comprised of more than 70 clinicians from Virginia to Maine who will

S. Jean Emans, M.D., cuts the ceremonial ribbon at the Children's Hospital Library dedication with help from David S. Weiner, hospital president.

volunteer to manage immediate health care needs and assist in triaging patients at disaster sites.

The NDMS is a cooperative effort of the federal departments of Health and Human Services, Defense, and Veteran Affairs; the Federal Emergency Management Agency; state and local governments; and the private sector.

Gardner House

Gardner emigrees bid farewell, relocate to new homes

In the summer of 1994, Gardner House, which housed the Children's Hospital School of Nursing from 1929 to 1978 and many hospital departments and programs since then, was demolished and will be replaced by a new parking garage for patients, families, and visitors.

A special farewell celebration was held in October 1993, which was attended by more than 100 School of Nursing alumnae and many hospital staff and employees who occupied offices in Gardner House.

To prepare for the demolition, many departments and programs moved to other parts of the hospital's campus. The offices of Quality Improvement and Infection Control moved to Wolbach 2, and Facility Planning and Space Management moved to the Wolbach Basement. Human Resources relocated its offices to the second floor of 333 Longwood Ave., joining Research Accounting, which moved from Enders 1, and the Family Hostel was closed. Accommodations for families are now made at the Best Western-Inn at Children's by the Department of Social Work or through the Hospitality Program.

In February 1994, the Division of General Pediatrics, Community and Support Services, and the Institute for Community Inclusion moved to Judge Baker Children's Center; Media Services relocated to the Fegan Sub-Basement; Neuroepidemiology and Psychiatry Research moved to Carnegie 2; the Child Development Unit relocated to 1295 Boylston St.; and the credit union moved to the Longwood Galleria. In addition, the Family Development Program and the AWAKE (Advocacy for Women and Kids in Emergencies) Program moved to the Ida C. Smith Building. A temporary structure on Binney Street was erected to house Security, Parking and Transportation, and training rooms for general hospital use.

Hospital renovates facilities

Space within the hospital was renovated during 1994 to improve and expand services for patients and their families and to accommodate ongoing structural changes on the hospital campus. In January 1994, renovated space on Farley 4 welcomed the Dialysis Unit, the Center for Ambulatory Treatment and Clinical Research (formerly the Ambulatory Transfusion and Treatment Center), and the Therapeutic Apheresis Unit. The Distribution Center, Mail Room, Materials Management, and Purchasing moved to new space in the Fegan Basement in June. In September, the Blood Bank moved to a larger facility on Bader 4.

Pay program review in progress

In September 1993, Children's began a review of its pay program to determine if the current system for establishing job grades and compensation meets the institution's needs. Children's last reviewed its pay program in 1984.

The review process, which is expected to be completed by the spring of 1995, has included focus groups to gather employee and manager input on the current program, and employees and managers developing job descriptions that reflect current responsibilities. These descriptions were carefully reviewed by members of the Pay Program Review Committee, comprised of staff from throughout the institution, and consultants from Sullivan, Cotter, and Associates, and a system was developed to ensure that job descriptions remain up to date in the future.

Rose Reeves, teacher, with preschool children at the Children's Hospital Child Care Center

Child Care Center earns accreditation

In late 1993, Children's Child Care Center, located on the Emmanuel College campus, was granted accreditation by the National Academy of Early Childhood Programs, which recognizes outstanding early childhood programs that meet national standards of quality. The center, which enrolls 42 children of hospital employees, was commended by the academy for its age-specific developmental program, high staff-to-child ratios, and the composition of its staff, all of whom are trained in childhood education and child development.

The center also met other standards set by the academy, including compliance with health and safety regulations and offering opportunities for parental involvement. Only 7 percent of licensed child care centers in Massachusetts are currently accredited by the academy.

Hospital aims to diversify workforce

As part of the hospital's ongoing efforts to enhance opportunities for a diversified workforce, in 1994 the Diversity Committee continued to study hospital recruitment processes and expanded its curriculum of supervisory training and diversity awareness sessions. During the summer, Children's hosted two internship programs, the Biomedical Research Training Program and Together, designed to encourage students from ethnic groups underrepresented nationally in the medical and research fields to pursue career opportunities at Children's. The programs provided 11 minority students with work experience in hospital departments.

Employees offered early retirement

One hundred and four Children's employees elected to participate in an early retirement program the hospital offered during the summer of 1994.

Employees who were active participants in the hospital's regular and maintenance pension plans, aged 55 or older, and who had 10 years of service by Aug. 31, 1994 were eligible for the plan. Those who selected the plan retired by Sept. 30.

Lecture honors Edward Farrell

Dean Hess, M.Ed., R.R.T., assistant director of Respiratory Care at Massachusetts General Hospital, presented the first annual Edward Farrell Memorial Lecture titled "Inhaled Bronchodilators During Mechanical Ventilation" in October.

The lectureship was established by the Respiratory Care Department in memory of Edward Farrell, a former supervisor in Respiratory Care and a Children's employee for 12 years who died in June 1993 after a prolonged illness.

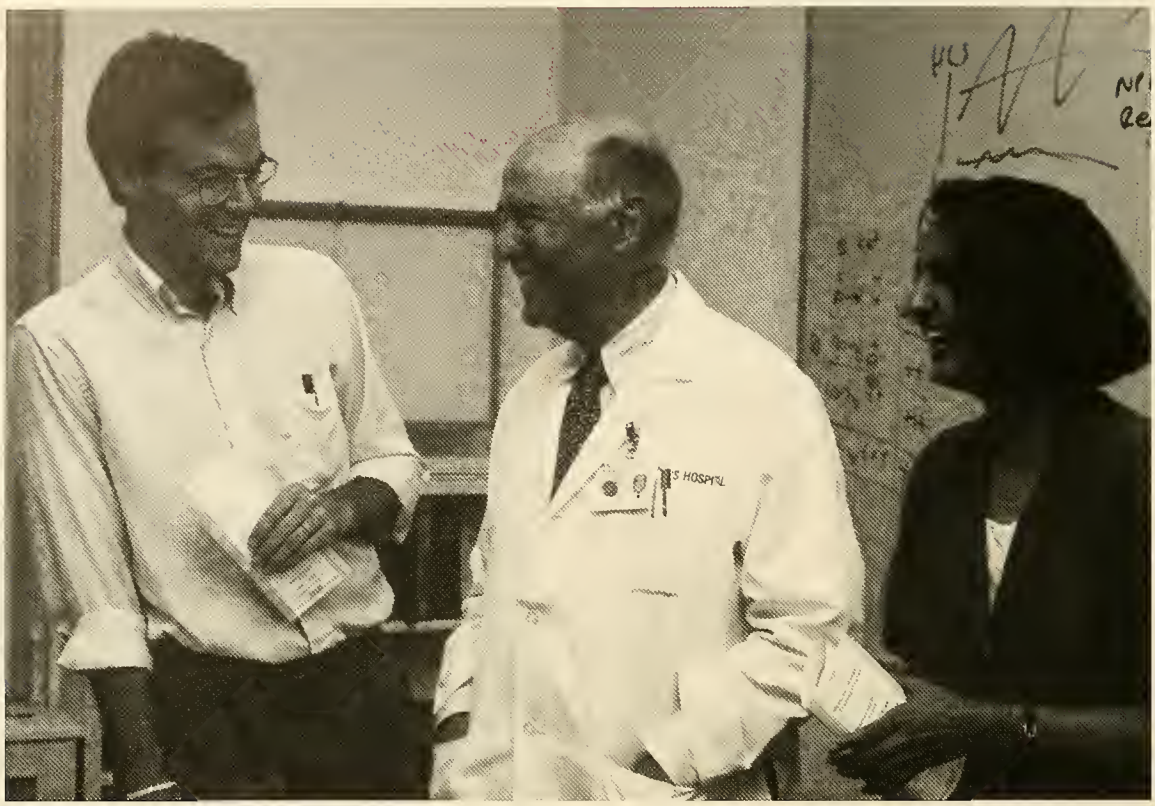
Imam Talal Eid

Muslim chaplain joins Pastoral Care

In November 1993, Imam Talal Eid joined the Pastoral Care Department as Muslim chaplain. Children's is the first hospital in the Boston area to have a Muslim chaplain on staff who provides spiritual guidance and support to Muslim patients and families.

Eid is also the religious director of the Islamic Center of New England in Quincy, Mass., and the Muslim chaplain at Tufts University in Medford, Mass.

Community News



Robert P. Masland Jr., M.D., center, welcomes new residents Matthew Davis, M.D., and Rainu Kaushal, M.D., to the Children's and Brigham and Women's hospitals' Medicine-Pediatrics Residency Training Program.

New residency training program focuses on family health

Children's and Brigham and Women's hospitals initiated a Medicine-Pediatrics (Med-Peds) Residency Training Program in July. The cooperative effort offers a four-year combined residency in internal medicine and pediatrics and is designed for residents interested in pursuing a career in primary care and community health, attending to adult and pediatric populations. Training concentrates on ambulatory care with a primary goal of establishing family-focused or continuity clinics at community health centers where primary care will be offered by med-peds residents to all family members over several years.

The program is co-directed by Frederick H. Lovejoy Jr., M.D., associate physician-in-chief at Children's, and Marshall Wolf, M.D., associate physician-in-chief at Brigham and Women's, and meets training requirements set by the American Board of Pediatrics and the American Board of Internal Medicine.

In 1995, the program will be folded into a Harvard Med-Peds Program, including medicine and/or pediatric services at Children's, Brigham and Women's, and Massachusetts General hospitals. The expanded joint program will be directed by Laurence J. Ronan, M.D., program director of the Combined Program in Medicine/Pediatrics at Massachusetts General Hospital, and Robert P. Masland Jr., M.D., chief emeritus of the Division of Adolescent/Young Adult Medicine at Children's, will serve as associate director.

Children's supports bike safety

Children's contributed $5,000 to a bike safety program in the spring of 1994 that provided federally approved bike helmets for 1,500 Boston youths. Children in need of helmets were identified at seven chapters of the YMCA and Boys and Girls Clubs in Boston neighborhoods, and every child who received a free helmet attended a bike safety educational program.

Mayor Thomas M. Menino declared May 21 Bike Safety Day at a ceremony held at City Hall Plaza. Children's co-sponsored the program with the Massachusetts Academy of Trial Attorneys, the Massachusetts Medical Society, and 3M, a manufacturing company.

Community Benefit Program expands services, support

Upon the recommendation of Children's Community Benefit Task Force, comprised of staff from Children's and Martha Eliot Health Center, the Board of Trustees allocated an additional $5 million to the hospital's Community Benefit Program in January 1994 to support efforts that will benefit children and families in Boston. The additional funding established a Community Benefit Office at Children's, overseen by newly appointed Vice President for Network Development and Community Services Deborah C. Jackson, to assess community health needs, identify and support new initiatives, and strengthen existing programs that protect and improve the health of children while supporting the well-being of families.

Children's diverse community services at the hospital, Martha Eliot Health Center, and other sites throughout Boston, combined with the net free care that the hospital provides to the uninsured and underinsured, collectively represent the institution's community benefits.

Hospital supports loan program

In conjunction with Boston's other major teaching hospitals, Children's participated during 1994 in a loan guarantee program to help Boston neighborhood health centers access loans for capital projects. The hospital guaranteed $1.5 million toward a pool of $10 million that will allow community health centers to borrow money to improve their facilities at the same tax-exempt rate as the teaching hospitals.

Martha Eliot establishes new substance abuse program

Martha Eliot Health Center, a neighborhood health service of Children's Hospital located in the Bromley Heath housing development in Jamaica Plain, in partnership with Bromley Heath Tenant Management Corporation, in May opened Project New Life-Bromley Heath, a community-based day treatment program for substance abusers. Targeted specifically to public housing residents, Project New Life-Bromley Heath operates seven days a week and offers a full continuum of medical, psychological, and social services, including referrals to Martha Eliot for comprehensive primary care.

Designed by Ronald White, M.D., M.Div., assistant in Medicine (General Pediatrics), the innovative program focuses on teaching clients how to deal with their daily problems and addiction within their living environment. Project New Life-Bromley Heath is funded by a three-year, $1.5 million grant from the Center for Substance Abuse Treatment, a federal government bureau that allocates funds for substance abuse treatment programs nationwide.

Boston honors Martha Eliot

Martha Eliot Health Center, a neighborhood health service of Children's Hospital, received an award from the City of Boston for the center's efforts to reduce substance abuse and violence in the Bromley Heath housing development and the Jamaica Plain community. Project New Life-Bromley Heath, a community-based substance abuse program, and the Peer Leader Program, which trains young people to provide support and education about drug use, violence, and HIV to their peers, were among the programs for which Martha Eliot was recognized.

Clifford Reid, outreach worker at Martha Eliot Health Center, second from right, with members of the Martha Eliot Peer Leader Program, from left, Julio Rosa, 16, Damali Brooks, 17, Judith Bernier, 16, and Nikkie Sabater, 17

Medical Staff News

Frederick W. Alt, Ph.D.

Alt, Avery elected to National Academy of Sciences

Frederick W. Alt, Ph.D., senior research associate in Medicine in the Laboratory of Molecular Medicine, and Mary Ellen Avery, M.D., senior associate in Medicine (Newborn Medicine) and physician-in-chief emeritus, were elected to the National Academy of Sciences (NAS) in April in recognition of their distinguished and continuing achievements in original research.

Alt is recognized for his major contributions to the understanding of cancer biology and immunology. His research accomplishments include discoveries about gene amplification, which occurs when cells acquire an increased number of copies of genes, resulting in uncontrolled growth of malignant cells and resistance to anti-cancer drugs. Alt directs immunology research that includes the development of mouse models for diseases such as X-linked agammaglobulinemia, a genetic disorder affecting males that is characterized by a deficiency in B-cells of the immune system.

Avery, a pioneer in the treatment of premature and low-birthweight babies, discovered the major cause of respiratory distress syndrome (RDS) in premature infants and contributed to the development of RDS therapy. In 1991, she received a National Medal of Science for her research related to RDS from President George Bush.

The NAS is a private organization that studies matters of science and technology to advise the federal government and to further science and its use for human welfare. Election to the academy is considered one of the highest honors that can be accorded a U.S. scientist.

Alt named Janeway Professor

Frederick W. Alt, Ph.D., senior research associate in Medicine in the Laboratory of Molecular Medicine, was named the first incumbent of the Charles A. Janeway Professorship at Children's Hospital and Harvard Medical School in November 1993.

Established by friends, family, and colleagues of the late Charles A. Janeway, M.D., who served as physician-in-chief at Children's from 1946 to 1974, the professorship supports research and clinical care related to immunology in the Department of Medicine at Children's and the Center for Blood Research.

Cardiovascular Surgery chief appointed

In the fall of 1994, Richard A. Jonas, M.D., was named cardiovascular surgeon-in-chief, a position held by Aldo R. Castaneda, M.D., Ph.D., for more than two decades.

Jonas joined Children's staff as associate in Cardiovascular Surgery in 1984, after completing a fellowship in cardiovascular surgery at Brigham and Women's Hospital. Jonas, along with Castaneda, is known worldwide for developing corrective cardiac surgical procedures in newborns as well as introducing the three-stage surgical repair of hypoplastic left heart syndrome, the most common fatal congenital heart defect for newborns less than one month old. His major research interest is looking at ways to reduce the deleterious effects of cardiopulmonary bypass, thereby maximizing the developmental potential of children undergoing cardiac surgery.

Upon stepping down as chief, Castaneda became director of the Aldo R. Castaneda Institute for Congenital Heart Disease at the Clinique de Genolier in Switzerland.

Folkman receives Steiner Prize

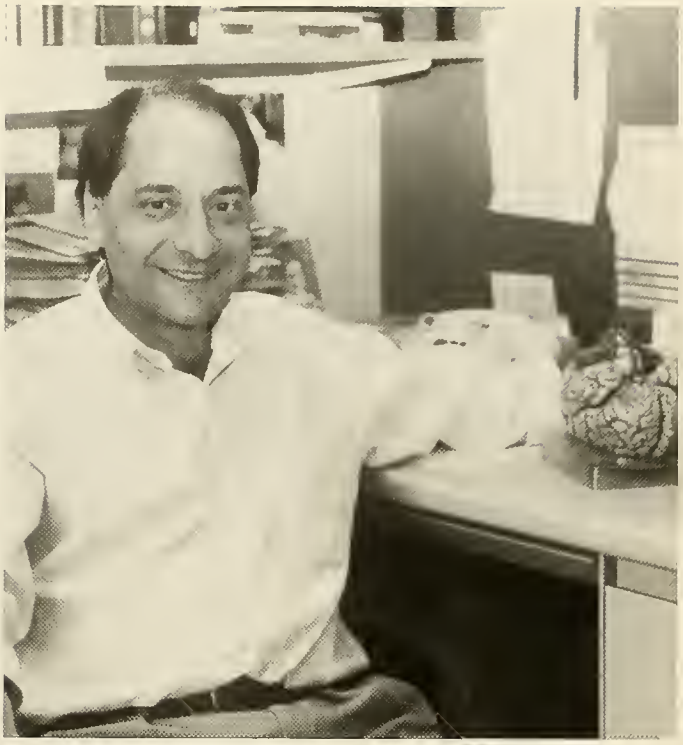
Judah Folkman, M.D., director of the Surgical Research Laboratories, was named the 1994 recipient of the Dr. Josef Steiner Cancer Prize, the most highly endowed cancer research prize in the world. The prize is given annually by the Dr. Josef Steiner Cancer Foundation in Berne, Switzerland, to a researcher who has contributed to the advancement of understanding cancer. Folkman was honored for his work showing that blood vessel growth, or angiogenesis, is essential to tumor development. His work has become the basis for further groundbreaking cancer research worldwide.

Shannen Hanright, 2, sits between Lauren R. Brown, M.D., assistant in Surgery (Gynecology) and Medicine (Adolescent/Young Adult Medicine), and Marc R. Laufer, M.D.

Laufer appointed Gynecology chief

Marc R. Laufer, M.D., was named chief of the Division of Pediatric/Adolescent Gynecology in October. He oversees all clinical activities of the division, which treats females from birth to age 22 with a wide range of conditions, including congenital anomalies of the reproductive tract, menstrual disorders, pelvic pain, sexually transmitted diseases, and breast abnormalities.

Also trained as a reproductive endocrinologist, Laufer is directing a number of studies to help young female cancer patients retain their ability to have children after chemotherapy and radiation treatments. In addition, he plans to establish an international multidisciplinary center for the treatment of girls and women with reproductive tract anomalies and a one-year fellowship program in pediatric gynecology.

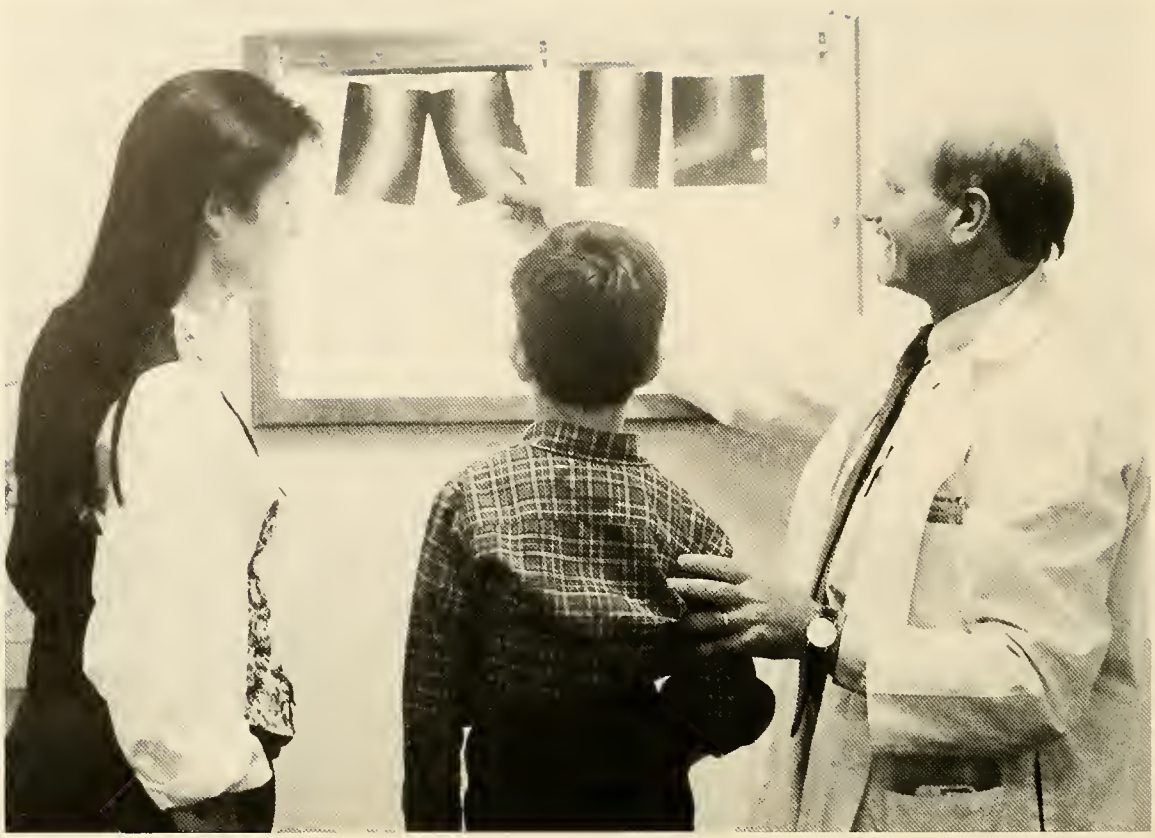


Michael E. Greenberg, Ph.D.

Greenberg appointed director of Division of Neuroscience

Michael E. Greenberg, Ph.D., was named director of the Division of Neuroscience in the Department of Neurology July 1. Greenberg came to Children's from Harvard Medical School where he was professor of Microbiology and Molecular Genetics and is now professor of Neurology and Neurobiology. In addition to directing his own laboratory, Greenberg is responsible for overseeing the efforts of 16 principal investigators in the Division of Neuroscience.

Greenberg's work focuses on understanding how factors external to the cellular environment, such as neurotransmitters, hormones, and growth factors, elicit changes in the cell that lead to brain cell differentiation and development. By applying his findings to clinical research ongoing in the Department of Neurology, Greenberg hopes to develop therapies to treat or prevent neural cell injury and death caused by oxygen deprivation at birth, during seizures or strokes, or from neurodegenerative diseases, and during medical interventions, such as extracorporeal membrane oxygenation and hypothermic cooling during cardiac surgery.



James R. Kasser, M.D., shows Michael Copenhaver, 5, and his mother, Victoria, the location of Michael's fracture.

Orthopaedic Surgery chief named

Children's appointed James R. Kasser, M.D., as orthopaedic surgeon-in-chief in late 1994, succeeding John E. Hall, M.D., who had served in this leadership role since 1986.

Kasser joined Children's staff in 1982 as assistant in Orthopaedic Surgery and had served as associate chief of Orthopaedic Surgery and clinical director of the hospital's outpatient orthopaedic programs since 1987. His career has been distinguished by clinical and research successes, most recently in studies related to hip deformities and fracture management.

Hall, as chief emeritus, will continue to be an active member of the Department of Orthopaedic Surgery.

Lock named chief of Cardiology

James E. Lock, M.D., chief of Clinical Cardiology since 1989 at Children's, was appointed cardiologist-in-chief in November, after serving as acting chief throughout 1994.

Lock joined Children's staff in 1984 as senior associate in Cardiology and director of the Cardiac Catheterization Laboratory. While at Children's, Lock has pioneered more than a dozen cardiac catheterization techniques designed to correct and prevent heart disease in children without invasive surgery, including the first successful pulmonary artery angioplasty and the first catheterization correction of ventricular septal defects, the most common heart problem affecting newborns. His research efforts have focused on the development of new techniques for the mapping of cardiac arrhythmias and finding cost-effective solutions to manage and treat heart disease in children.

Orkin receives Alpert Prize

Stuart H. Orkin, M.D., senior associate in Medicine (Hematology/Oncology), was the 1993 recipient of the Warren Alpert Foundation Prize for his research related to thalassemia, a hereditary blood disorder in which the production of hemoglobin A is reduced or never occurs. Orkin and his research team developed a complete description of thalassemia at the molecular level, which paved the way for the development of prenatal tests to diagnose ß-thalassemia.

The Warren Alpert Foundation, established in 1986, rewards individuals who have found a cure for or have made a significant breakthrough in understanding a major disease.

Leadership in Anesthesia appointed

Robert D. Truog, M.D., senior associate in Anesthesia, assumed directorship of the Multidisciplinary Intensive Care Unit (MICU) in July. Truog, who had served as associate director of the MICU since 1987 and is co-chair of Children's Ethics Advisory Committee, succeeded James C. Fackler, M.D., associate in Anesthesia.

Fackler, who received major research grants from Ronald McDonald Children's Charities and SpaceLabs Medical Corporation, remains at Children's pursuing research in pediatric extracorporeal membrane oxygenation (ECMO) and information management and automation in the intensive care unit. Fackler continues in his role as medical director of the ECMO Program.

In addition, John H. Arnold, M.D., associate in Anesthesia, assumed the medical directorship of the Division of Respiratory Care. Arnold has been a member of the MICU staff since 1990.

Fleisher, Palfrey to lead national organizations

In April, two Children's physicians were named presidents-elect of national academic pediatric societies. Gary R. Fleisher, M.D., chief of the Division of Emergency Medicine, was named vice president and president-elect of the Society for Pediatric Research (SPR), and Judith S. Palfrey, M.D., chief of the Division of General Pediatrics, was named president-elect of the Ambulatory Pediatric Association (APA).

Fleisher, who will assume the presidency in 1996, has been a member of SPR since 1984 and is recognized for his contributions to the diagnosis and management of viral and bacterial infections in ambulatory patients. The SPR is an organization of scientists that encourages investigation of a broad range of issues related to the health and well-being of children through research forums and presentations.

A member of the APA since 1982, Palfrey has served on the organization's board since 1991 and has helped to shape its agenda to increase the number of primary care physicians in residency programs and to educate residents about caring for underserved populations. In 1995, Palfrey assumed the presidency of the APA, an organization of academic physicians and other medical educators dedicated to improving health care for children through patient care, teaching, research, and public policy.

George A. Taylor, M.D.

Taylor heads Kresge laboratory

In September, George A. Taylor, M.D., joined Children's staff as director of the Kresge Pediatric Imaging Laboratory and chief of the Division of Body Imaging in the Department of Radiology. The Kresge laboratory supports Department of Radiology research efforts to develop noninvasive methods of diagnosis and treatment as well as provide state-of-the-art imaging support to investigators in other departments.

Taylor, who came from Johns Hopkins Children's Center, where he served as director of Pediatric Imaging for five years, is known internationally for his expertise in the use of Doppler techniques to measure blood flow disturbances in newborns' brains and in identifying clinical predictors of abdominal complications following blunt trauma.

Black, Healy named surgeon-in-chief

In September, the Board of Trustees elected Peter Black, M.D., Ph.D., neurosurgeon-in-chief, and Gerald B. Healy, M.D., otolaryngologist-in-chief, to share jointly the appointment of surgeon-in-chief for academic affairs and clinical affairs, respectively.

Noninvasive cardiology chief named

Steven D. Colan, M.D., senior associate in Cardiology, was named chief of the Noninvasive Cardiovascular Laboratories in July. A member of the Department of Cardiology since 1981, Colan has made numerous research contributions to the field of noninvasive evaluation of left ventricular function and congenital heart disease.

Colan succeeds Stephen P. Sanders, M.D., who stepped down as chief of the Noninvasive Cardiovascular Laboratories in June to take a position at the Aldo R. Castaneda Institute for Congenital Heart Disease at the Clinique de Genolier in Switzerland.

Neurology receives academic award

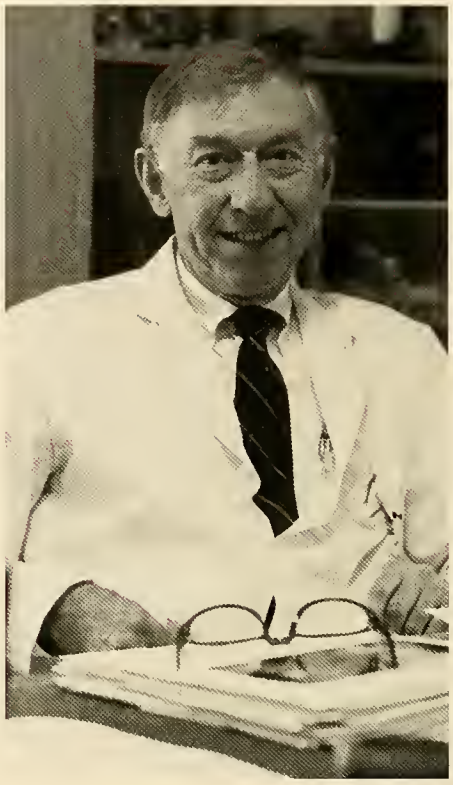
The National Institutes of Health awarded Children's Department of Neurology a Neurological Sciences Academic Development Award in 1994 that provides funding for five years of research and fellowship training for six pediatric neurology residents. Children's proposal for this new award was ranked first among submitted proposals.

The first two residents to receive the award are Mary E. Sutton, M.D., fellow in Neurology, and Elizabeth Thiele, M.D., Ph.D., resident in Neurology. Sutton is working with Scott L. Pomeroy, M.D., Ph.D., assistant in Neurology and director of Neuro-Oncology, on a research project investigating how growth factors influence brain tumor growth. Thiele's project involves exploring molecular neurobiological aspects of brain development and epilepsy under the direction of Michael E. Greenberg, Ph.D., director of the Division of Neuroscience.

Kirks named Kirkpatrick Professor

Donald R. Kirks, M.D., radiologist-in-chief, was named the first incumbent of the John A. Kirkpatrick Professorship in Radiology at Children's Hospital and Harvard Medical School in April 1994.

The hospital's first professorship in pediatric radiology, the John A. Kirkpatrick Professorship recognizes the outstanding career of John A. Kirkpatrick, M.D., radiologist-in-chief from 1974 to 1992, and his contributions to Children's Hospital and the field of radiology. Kirks succeeded Kirkpatrick as radiologist-in-chief in 1992.



In memoriam:

John A. Kirkpatrick Jr., M.D., 1926 – 1994

John A. Kirkpatrick Jr., M.D., radiologist-in-chief emeritus, died May 8 at age 68 after a long battle with cancer. Kirkpatrick served as radiologist-in-chief from 1974 to 1992.

During Kirkpatrick's more than 40 years of practice, he made significant contributions to the field of radiology. He developed the basic description of the VATER association, a group of vascular, anal, tracheal, esophageal, and renal anomalies, and he first reported the absence of esophageal peristalsis after repair of esophageal atresia.

Kirkpatrick was also the author or co-author of 108 scientific papers and 43 books or chapters in radiologic and pediatric texts. He was an honorary member of 22 radiologic societies and was awarded gold medals by the American College of Radiology, the Society for Pediatric Radiology, the International Skeletal Society, the American Roentgen Ray Society, and the Association of University Radiologists.

Nursing Staff News

Eileen M. Sporing, M.S.N., R.N., vice president for Patient Services, left, and Joanne Geake, M.P.H., R.N., B.S.N., nursing/patient service director of Oncology and Bone Marrow Transplantation, center, congratulate Anne Marie Meegan, R.N., B.S.N., staff nurse II on 6 West, recipient of the 1994 David Cayton Fellowship Award.

Meegan receives Cayton Award

Anne Marie Meegan, R.N., B.S.N., staff nurse II on 6 West, was awarded the 1994 David Cayton Fellowship Award, which honors nurses with an interest and expertise in treating bone marrow transplantation patients and provides support for their continued education. Meegan has worked on the Bone Marrow Transplantation Unit since 1989.

The award was established by the Cayton family in 1978 in honor of David Cayton, who died of idioplastic anemia at Children's.

Nursing offers skills course

In a collaborative effort, Children's Department of Nursing developed a two-day pediatric nursing skills course for nursing staff at Boston City Hospital (BCH) in the spring of 1994. The program was designed to educate staff in nursing care practices for diagnoses common to BCH's pediatric population, such as sickle cell disease and asthma, during a period of transition when the hospital moved to a new facility and reconfigured its pediatric staff.

Nursing management restructures

In an effort to reflect the broadened scope of responsibilities of nursing management, a result of the implementation of the integrated care delivery model on inpatient units in 1993, all inpatient nurse manager titles and job descriptions were changed to nursing/patient service directors in 1994. With the new model of care, which decentralizes and simplifies the flow of patient care from pre-admission through post-discharge, came an increased focus on continuity across the continuum of care from inpatient to outpatient settings.

Nursing/patient service directors oversee one or more inpatient units as well as corresponding ambulatory programs. In addition to managing nursing staff, directors supervise other staff involved in patient care, including staff from Child Life Services, Environmental Services, Physical and Occupational Therapy, and Social Work, in collaboration with department heads.

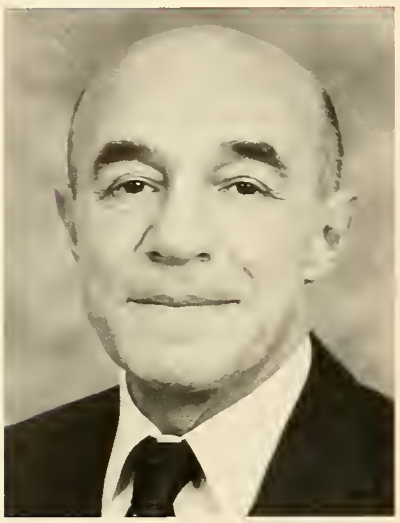
Awards honor former Children's nurse

In September, the Massachusetts Department of Public Health announced the initiation of the Shishmanian Awards in honor of Eunice Shishmanian, M.S., R.N., former director of Nursing in Children's Developmental Evaluation Center and former chair of the Massachusetts Early Intervention Interagency Coordinating Council.

The $2,000 awards will be granted to three professionals in early intervention programs in Massachusetts to support continuing education. Shishmanian Awards will also be granted to five students preparing for a career in one of the disciplines represented on early intervention teams, such as childhood education, nursing, and social work, to support an internship or practicum experience.

Shishmanian is a recognized advocate for the needs of families with young children, has been instrumental in establishing early intervention programs at Children's and in Massachusetts, and has trained nurses around the country in how to work with families children with developmental disabilities.

Trustee/Overseer Activities



Judge Joseph A. Tauro

Aldo R. Castaneda, M.D., Ph.D.

During 1994, a number of changes took place on Children's Board of Trustees. U.S. District Court Chief Judge Joseph A. Tauro retired from his position on the board in March 1994 after nearly 15 years of service to Children's. In July, the Board of Trustees elected Anne E. Dyson, M.D., pediatrician and nationally recognized advocate in child health, to the position vacated by Judge Tauro. A hospital overseer since 1990, Dyson also served on the Ambulatory Study Committee in the mid-1980s and worked with David G. Nathan, M.D., physician-in-chief, and Judith S. Palfrey, M.D., chief of the Division of General Pediatrics, to develop the Dyson Fellowship Program in pediatric advocacy.

Deborah C. Jackson, a board member since 1991, stepped down to accept the hospital's newly created position of vice president for Network Development and Community Services.

Also in 1994, Aldo R. Castaneda, M.D., Ph.D., cardiovascular surgeon-in-chief and surgeon-in-chief, retired from his clinical activities at Children's and his position on the Board of Trustees to become director of the Aldo R. Castaneda Institute for Congenital Heart Disease at the Clinique de Genolier and professor of Surgery at the University of Lausanne in Switzerland. At the board's September meeting, Gerald B. Healy, M.D., Children's surgeon-in-chief for clinical affairs and otolaryngologist-in-chief, was elected to the board position vacated by Castaneda. Healy has been chief of Otolaryngology and Communication Disorders at Children's since 1979 and chairman of the Medical Staff Executive Committee since 1991.

In addition to the changes on the Board of Trustees, Nancy Anthony, Betsy Pappas Demirjian, and Ron Sidman, all closely associated with the hospital for a number of years, were elected to the Board of Overseers in January 1994.

Members of Children's family gathered at the Copley Plaza Hotel on April 7 to celebrate the hospital's 125 years of caring for children at the 125th Anniversary Dinner. At the dinner, President David S. Weiner announced the John A. Kirkpatrick Professorship in Radiology, honoring the late John A. Kirkpatrick, M.D., who led the Department of Radiology as chief from 1974 until 1992. In addition, tributes were paid to two retiring chiefs of departments for their distinguished careers at Children's. John E. Hall, M.D., orthopaedic surgeon-in-chief, was honored for his 23 years of service to Children's and his leadership role in the department since 1986. As chief emeritus, Hall will remain an active member of the department. Stanley Walzer, M.D., psychiatrist-in-chief, was honored upon his retirement after 13 years as chief of Children's Department of Psychiatry, and will remain an active member of the department.

Volunteer Activities

Volunteer Fred Feldmesser, a.k.a. Freddy Rocker, delights Christa Borgman, 8, and Nicole Drinkwater, 8, during his monthly show in the Patient Entertainment Center.

Throughout 1994, the Volunteer Services Department was busy coordinating the efforts of Children's 870 volunteers, who logged more than 78,000 hours of service this year. Important members of the hospital family, volunteers make valuable contributions throughout the hospital, including assisting staff on the inpatient units, working at the hospital's information desks and Family Resource Center, and providing companionship to patients.

This year the Volunteer Services Department welcomed and oriented 450 new volunteers and began offering training sessions for all volunteers on subjects such as working with patients with disabilities or HIV and valuing differences in others. In addition, Volunteer Services introduced counseling sessions to support volunteers who experience stress from working with sick children.

Several volunteers were honored for their steadfast commitment and dedication to Children's patients and families in 1994. After more than 40 years of service, Ruth Savel was honored at a retirement celebration attended by volunteers and hospital staff in May.

Bess Pappas, long-time volunteer and founder of The Hellenic Cardiac Fund for Children, accepted the Award for Human Services from the Athens Academy for the fund's support of Children's treatment of Greek children with cardiac defects, chronic illness, and other disorders. The award is the most prestigious honor given in Greece for humanitarian efforts.

During National Volunteer Week in May, volunteers who had served for two or more years were recognized for their service to Children's on a day cruise around Boston harbor.

Coordinated by the Volunteer Services Department, many special guests and celebrities visited Children's Patient Entertainment Center in 1994. Pop singer Jon Secada, the rock group The Lemonheads, storybook character Curious George, Mutual of Omaha's "Wild Kingdom" animal trainer Jim Fowler, and others appeared on "Children's Midday," an interactive show hosted every Tuesday afternoon in the Patient Entertainment Center for patients and families and televised on the hospital's in-house station, Channel 22.

The department continued its Summer Volunteer Program, offering teenagers the opportunity to volunteer at the hospital; the Foster Grandparent Program, supported by the Children's Hospital League; and its collaboration with One with One, an urban job training program for immigrant and refugee students.

League Activities

Laura Wernick, Festival chairman, center, with co-chairmen, from left, Kay Bernon and Gail Wald

Kay Bernon, League president, presents T. Berry Brazelton, M.D., with an honorary plaque at the fall open board meeting.

In 1994, members of the Children's Hospital League continued their dedicated fund-raising efforts in support of a wide range of patient programs and activities.

This year the Children's Hospital League made a $1 million pledge in honor of the hospital's 125th Anniversary to the general research endowment fund. The pledge was made in addition to the League's annual support of special programs, including the Summer Garden Program and activities in the Patient Entertainment Center, which make the hospital experience more pleasant for patients and their families.

The League's 12th annual Festival for Children's Hospital, held Dec. 4 at the Atrium in Chestnut Hill, served as the final celebratory event marking Children's 125th Anniversary year. Nearly 900 guests attended the Festival. On sale during the evening was an assortment of decorated trees, wreaths, gingerbread houses, teddy bears, and auction items. Family Night, held Dec. 5, gave young and old an opportunity to view the decorations and enjoy refreshments and entertainment. Laura Wernick chaired the Festival with co-chairs Kay Bernon and Gail Wald.

Carolers entertain guests at the 1994 League Festival.

Other fund-raising efforts by the League during the year included a benefit fashion show held May 24 at Skinner at The Heritage on the Garden, featuring fashions from The Sonia Rykiel Boutique. In addition, the League participated in the Thrift Shop of Boston, Inc., in Jamaica Plain and sold AIDS pins to benefit the Children's Hospital AIDS Program.

The League held its fall open board meeting Oct. 20 at the hospital. T. Berry Brazelton, M.D., director emeritus of Children's Child Development Unit, talked with members of the League about the subject of his most recent book, Touchpoints. The book addresses opportunities for practitioners to guide parents in their relationships with their children and provide intervention at strategic points in a child's development, preventing problems before they arise.

WBZ-Children's Hospital Fund Highlights

Youngster tows a cart of flowering plants at the 1994 Farmstand.

For the 15th consecutive year, the WBZ-Children's Hospital Fund enjoyed spirited support from thousands of WBZ viewers and listeners and Children's employees and friends who made this year's campaign a great success. In addition to raising funds to benefit programs at Children's Hospital, the annual WBZ-Children's Hospital Telethon, which aired in December, told stories of patients, staff, and programs to viewers and listeners throughout New England and helped the fund achieve a record total surpassing $800,000.

A warm, sunny day greeted thousands of Children's Hospital supporters at the 1994 Farmstand, which kicked off the 1994 WBZ-Children's Hospital Fund drive Sept. 17 at Shriners' Auditorium in Wilmington, Mass. Volunteers gathered in the early morning hours to sell fresh produce and baked goods, handmade crafts, and plants, all of which were donated by local farmers and WBZ and Children's supporters. Highlights of the event included WBZ personality Dave Maynard's pancake breakfast, face painting, live entertainment, and a petting zoo. All proceeds, which totaled nearly $30,000, were contributed to the WBZ-Children's Hospital Fund.

Several corporate sponsors pledged support to the fund for the first time. Toys "Я" Us pledged $100,000, and Legal Sea Foods, Inc., donating proceeds from gift certificate and mail order sales, contributed more than $25,000 to the fund.

For the second year, SpookyWorld, America's Horror Theme Park in Berlin, Mass., sponsored a major fund-raising effort to support the fund. Joined by TJ Maxx, SpookyWorld donated more than $50,000 from the combination of the park's opening night ticket sales in October and donations.

New England Development Malls supported the fund for the sixth year, announcing a gift of $80,000. The holiday campaign conducted at nine New England Development shopping malls featured a family

Children's Chairman of the Board George H. Kidder, second from left, accepts a gift representing proceeds from the annual WBZ Farmstand for the WBZ-Children's Hospital Fund from, left to right, Deb Zeyen, vice president and general manager of WBZ-TV, WBZ personalities Dave Maynard and Liz Walker, and Ed Goldman, vice president and general manager of WBZ-AM and station manager of WBZ-TV, at the 1994 telethon.

reunion theme illustrated by the Norman Rockwell painting "Christmas Homecoming." Central to the campaign was a raffle offering the grand prize winner the opportunity to invite family members for a reunion weekend in Boston. New England Development also organized gift-wrapping services and breakfasts with Santa Claus and sold holiday shopping bags to benefit the fund.

Children's patients, families, and staff were featured on WBZ-TV Dec. 16 during the 6 p.m. news and Dec. 19 during broadcasts of the noon and 6 p.m. news. The annual WBZ-Children's Hospital Telethon, simulcast on WBZ Radio, was broadcast live Dec. 19 from 8 to 11 p.m. from the television studios, Children's Patient Entertainment Center, and the Square One Mall in Saugus, Mass.

WBZ personality Jack Williams with Tony Makrigiannis, 7, in Children's Physical Therapy Department

Statistical and Financial Report

Statistical and Financial Report

Statistics

Patient:	1994	1993
Number of licensed beds	325	349
Discharges	16,752	16,380
Patient days	92,755	93,160
Observation days	1,416	789
Average stay in days	5.18	5.47
Clinic visits	210,184	205,848
Emergency Services visits	50,946	48,330
Surgical procedures		
Inpatient	8,001	7,844
Outpatient	5,804	5,809
Total	13,805	13,653
Radiology		
Procedures performed	106,437	103,762
Laboratory tests	1,351,000	1,457,110

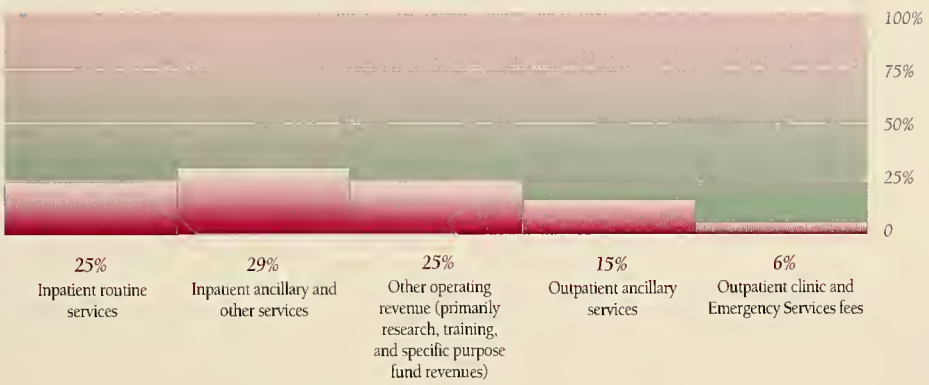
Personnel:		
Active medical staff	638	628
Active dental staff	19	21
Associated scientific staff	211	200
Courtesy staff	292	255
House staff	510	545
Consultants	71	71
Emeriti	41	42
Visiting staff	4	15
Nursing staff	835	872
Other full-time employees	1,992	2,187
Other part-time employees	643	416
Volunteers	870	880

Statement of Revenues and Expenses

and funds used for capital additions years ended Sept. 30, 1994 and 1993 (in thousands of dollars)

	1994	1993
Revenues:		
Gross patient services revenue	$324,707	$324,502
Deductions from patient services revenue	(90,265)	(77,504)
Net patient services revenue	234,442	246,998
Other operating revenue	106,361	101,476
Total operating revenues	340,803	348,474
Operating Expenses:		
Salaries and wages	$135,981	$130,156
Fringe benefits	29,965	24,202
Supplies and expenses	75,756	77,822
Depreciation and amortization	27,431	26,498
Interest	5,842	6,235
Research and training expenses	56,709	51,512
Other specific purpose fund activity	27,348	28,726
Total operating expenses	359,032	345,151
Loss from patient care operations	(18,229)	3,323
Income from prior-year contractuals	12,281	4,548
Income from non-operating activities	0	0
Excess of expenses over revenues	(5,948)	7,871
Capital additions	28,224	35,257

Sources of Revenues



Distribution of Expenses

Condensed Balance Sheet

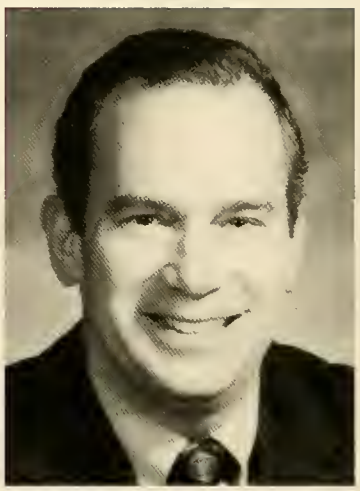
years ended Sept. 30, 1994 and 1993 (in thousands of dollars)

	1994	1993
Assets:		
General Funds	$ 382	$ 2,580
Current:		
Accounts receivable, net	64,278	56,082
Inventories	2,147	1,440
Prepaid expenses	3,595	1,451
Total	70,402	61,553
Assets held in trust under long-term debt agreements	32,748	13,173
Plant, property, and equipment at cost less accumulated depreciation	234,964	235,423
Other assets	44,473	65,433
Total	382,587	375,582
Restricted funds		
Accounts receivable	31,822	21,738
Total	$414,409	$397,320
Liabilities and Fund Balances:		
General Funds		
Current:		
Current portion of long-term debt	$ 5,490	$ 4,252
Accounts payable and accrued expenses	74,612	68,330
Due to third-party payors	5,730	9,464
Total	85,832	82,046
Long-term debt, excluding current portion	127,524	107,857
Deferred compensation	6,770	6,989
Long-term portion of estimated third-party liabilities	17,446	24,860
Deferred revenue	8,855	10,465
Reserve for medical malpractice	7,939	7,424
Fund balance	128,221	135,941
Total	382,587	375,582
Restricted fund balances		
Specific purpose funds	31,822	21,738
Total	$414,409	$397,320

People and Departments

1994 Board of Trustees

George H. Kidder
Chairman



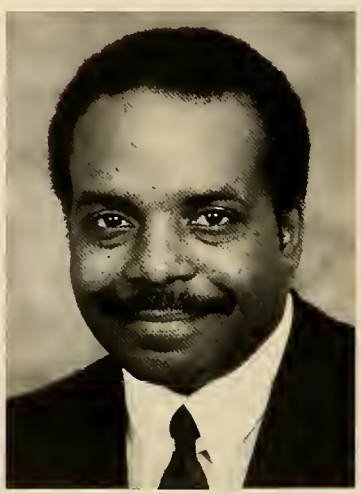
David S. Weiner
President

Anne E. Dyson, M.D.

Gerald B. Healy, M.D.

Stephen R. Karp

George W. Phillips



Rudolph F. Pierce

William W. Bain Jr.
Treasurer

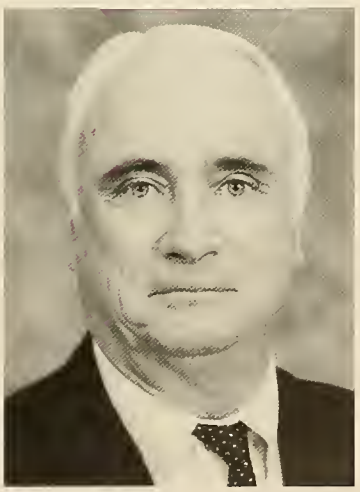
William L. Boyan
Vice Chairman

George H. Labovitz, Ph.D.

Joseph C. McNay

David G. Nathan, M.D.

Helen B. Spaulding



James H. Walsh III

People

Children's Hospital acknowledges with great appreciation the generous support of all donors during fiscal year 1994. President's Forum members and all others contributing $1,000 or more are recognized on the following pages.

President's Forum

Mr. and Mrs. David C. Abrams
Mrs. John G. Allen
Mrs. Lyman S. Allen
Mr. and Mrs. David Almy
Mr. and Mrs. Bruce M. Alpert
Mr. and Mrs. Walter Amory
Elga Andersen-Gimbel
Anonymous (29)
Hormozan Aprin, M.D.
Mr. and Mrs. William O. Apthorp
Theodore W. Avruskin, M.D.
Bill Baerg
Mr. and Mrs. William W. Bain Jr.
Mr. and Mrs. Frederick E. Barstow
Mr. and Mrs. Robert B. M. Barton
Mr. and Mrs. Stephen W. Beardsley
Myron L. Belfer, M.D.
Mr. and Mrs. George F. Bennett
Mr. and Mrs. William Bentinck-Smith
Jan Bergstrom and Walter Fey
Mr. and Mrs. Arthur J. Berke
Mr. and Mrs. Matthew M. Berman
Mr. and Mrs. Peter M. Bernon
Mr. and Mrs. Steven A. Berns
Jane Holmes Bernstein, Ph.D., and Leonard Bernstein, D.M.D.
Mr. and Mrs. Stanley J. Bernstein
Dr. and Mrs. Benjamin E. Bierbaum

Mr. and Mrs. James L. Bildner
Mr. and Mrs. Jordan Birger
Mace Blickman
Mr. and Mrs. Seymour Blum
Mr. and Mrs. T. Dennie Boardman
Dr. and Mrs. William P. Boger III
Mr. and Mrs. William L. Boyan
W. Walter Boyd
Mr. and Mrs. John G. Briggs
Michael Bronner
Mr. and Mrs. William L. Brown
Zylpha B. Brown
Mr. and Mrs. H. Paul Buckingham
George D. Buckley and Valerie Gould
The Reverend and Mrs. C. Frederick Buechner
Mr. and Mrs. James E. Burke
Mr. and Mrs. George S. Burr
Mr. and Mrs. J. William Busch
Charles C. Cabot Jr.
Mr. and Mrs. John G. Carberry
Dr. and Mrs. Aldo R. Castaneda
Mr. and Mrs. Frederick M. Chaloux
Mr. and Mrs. R. L. Champion
Jacques R. Chamuel and Lyne Chamuel, M.D.
Sophia H.Y. Chang, M.D.
Dr. and Mrs. Rajinder S. Chawla
Mr. and Mrs. Eugene H. Clapp II
Dr. and Mrs. John P. Cloherty
Mr. and Mrs. Todd Cobey
Mr. and Mrs. Howard C. Cobin
Ellen R. Cohen and Kenneth B. Schwartz
Mr. and Mrs. Gerald D. Cohen
Mr. and Mrs. Julian Cohen
Stephen and Lois Coit
Suzanna Colin
William P. Collatos and Linda C. Wisnewski
Mr. and Mrs. Marvin Collier
Marilyn J. Comb
Mrs. A. Werk Cook
Mr. and Mrs. Henry W. Cook III
Mr. and Mrs. John L. Cooper
P. Leo Corcoran
Mr. and Mrs. Steven D. Corkin
Mr. and Mrs. Anthony J. Cortese
Henry V. Couper
John F. Crook
Holly Cumberland
Timothy A. Cunningham
Mrs. John Cutler
Mr. and Mrs. Donald F. Cutler
Mr. and Mrs. Philip Cutler
Mr. and Mrs. Nelson J. Darling Jr.
Geraldina Da Silva
Dr. and Mrs. Chester C. d'Autremont
Earl W. Davie, Ph.D.
Roberta J. Davis
Mr. and Mrs. William M. Davis
Mr. and Mrs. Robert C. Davison
Mr. and Mrs. Hubert DeLacvivier
Mr. and Mrs. Stephen J. Delano
Mr. and Mrs. Stephen C. Demirjian
Dr. and Mrs. Kenneth J. Dobuler
Mr. and Mrs. James F. Donovan
Charalabos Doumanidis
Clover Drinkwater
H. Michael Drouin
Michael A. Duca
Mr. and Mrs. Edward M. Duggan
William E. Duggan
Mr. and Mrs. Leon Dworetzky
Dr. and Mrs. Philip Dworetzky
Mrs. Osborne Earle
Dr. and Mrs. Ralph Earle Jr.
Mr. and Mrs. Wesley H. Eaton
Mrs. Harold E. Edgerton
Michael and Donna Egan
Harry and Judith Ellenzweig
John Ellis
John B. Emans II, M.D., and S. Jean Emans, M.D.
Mr. and Mrs. Frederick L. Ensley
Louis Fazen, M.D.
Mrs. Norman Feinberg
Dr. and Mrs. Sidney M. Feldman
Fred Feldmesser
Mr. and Mrs. Conway Felton
Mr. and Mrs. Edward A. Fish
Mr. and Mrs. John E. Flagg
Mr. and Mrs. Frederick P. Floyd
Alexander C. Forbes
F. Murray Forbes Jr.
Esta Fox
Mr. and Mrs. Bruce H. Freedman
Dr. and Mrs. Henry H. Freedman
Mr. and Mrs. Robert L. V. French
Mrs. F. Stuart Friend
Mr. and Mrs. Michael Frieze
Mr. and Mrs. Bob Gaerttner
Mr. and Mrs. Charles L. Gagnebin III
Robert Gardiner
Mr. and Mrs. G. Peabody Gardner III
Mr. and Mrs. John L. Gardner
Mr. and Mrs. R. Hartwell Gardner
Steven and Barbara Garfinkle
James M. Gearin
Mr. and Mrs. Howard F. Gillette
Betsy C. Gillin
Mr. and Mrs. Thomas S. T. Gimbel
Mr. and Mrs. Francis H. Gleason
Gertrude M. Goff

Mr. and Mrs. Norman L. Goldberg
Mr. and Mrs. Leonard Goldenson
Mr. and Mrs. Monte Goldman
Mr. and Mrs. Alex Gondola
David P. Gooding
James and Dorothy Goodman
Mr. and Mrs. Robert P. Goodman
Mr. and Mrs. Robert P. Goodrow
Mrs. Louis M. Gordon
Betty C. Gosman
Raymond J. Gosselin
James and Merle Grandberg
Sara and Arnold Grandberg
Mr. and Mrs. H. S. Gray
Mrs. John A. Gray
Mr. and Mrs. Milton B. Gray
Mr. and Mrs. W. D. Greenlaw
Mr. and Mrs. Stephen J. Griffin
Mrs. Harold K. Gross
Lila Gross
Mrs. John A. Hadden Jr.
Mr. and Mrs. Lee H. Hallowell
Mr. and Mrs. John Halpern
Mr. and Mrs. Rudman J. Ham
George R. Harding Jr.
Eunice M. Harps
Michael A. Harris
Mr. and Mrs. Francis W. Hatch
Dr. and Mrs. Gerald B. Healy
E. Robert Heitzman Jr., M.D.
Dr. and Mrs. William L. Hennrikus Jr.
William A. Herndon
Sigmund E. Herzstein
Robert and Diane Hildreth
Mr. and Mrs. Edward P. Holden Jr.
Charles and Judy Hood
Gertrude Hooper
Martin Horowitz, M.D.
Mrs. Harry R. Horvitz
Mrs. Charles F. Hovey
Mr. and Mrs. G. H. Howkins
Austin I. Hubbard
Mr. and Mrs. William S. Hume
Mr. and Mrs. R. Blake Ireland Jr.
Mr. and Mrs. Richard N. Ishkanian
Ilene and Richard Jacobs
Mr. and Mrs. Richard Jacobson
Mr. and Mrs. George Jamieson
Mr. and Mrs. Harold W. Janeway
Mr. and Mrs. C. Bruce Johnstone
Dwight T. Jones, M.D.
Jane Elizabeth Jones
Nancy Stranahan Jones
Nicolas Kanaris and Christine Papadakis-Kanaris
Mr. and Mrs. Dennis R. Kanin
Mr. and Mrs. Todd N. Kanter
Mr. and Mrs. David M. Kaplan
Mr. and Mrs. Richard E. Kaplan
Mr. and Mrs. Stephen R. Karp, and Douglass and Jana
James R. Kasser, M.D.
Mr. and Mrs. Abraham A. Katz
Joseph Keefe
Kevin H. Kelley
Paul F. Kenney
Mr. and Mrs.* George H. Kidder
Margaret N. King
Dr.* and Mrs. John A. Kirkpatrick Jr.
Mr. and Mrs. Eric Kobren
Mark and Ellen Koretz
Dr. and Mrs. David I. Kosowsky
Charlotte R. Kramer
Mark R. Kramer
Jeffrey Krugman
Mr. and Mrs. Selwyn A. Kudisch
Ann and Ted Kurland
Peter Kwong
Dr. and Mrs. George H. Labovitz
Mr. and Mrs. John C. Lagadinos
Mr. and Mrs. Curtis J. Lanciani
Ralph R. Lapham Jr.
Attorney and Mrs. David Lazarus
Barbara Fish Lee
Thomas H. Lee
Heidi Lehner
Mr. and Mrs. William F. Leisman III
Stephen J. Lerman, M.D.
Mr. and Mrs. Michael L. Levine
Mr. and Mrs. Mendel Levinson
Mr. and Mrs. John Hartley Lewis
Lilykate W. Light
Mr. and Mrs. Jeffrey K. Lines
Rolliston W. Linscott Jr.
Joseph M. Linsey
Mr. and Mrs. Stephen Little
Dr. and Mrs. James E. Lock
Cesare T. Lombroso, M.D.
Mr. and Mrs. Costas Los
Mrs. Frederick H. Lovejoy
Dr. and Mrs. Frederick H. Lovejoy Jr.
Mr. and Mrs. G. Prescott Low
Mr. and Mrs. Robert B. Luick
Maryann Luongo
Dr. and Mrs. Charles P. Lyman
Mrs. John L. Lyman
Edmund C. Lynch
Mr. and Mrs. Christopher W. Lynch
Mr. and Mrs. J. Peter Lyons
Lachlan MacLean
Anne Malone
Mr. and Mrs. Peter Malone
Warren L. Mandry
David and Janet Mannheim
Frederick L. Mansfield, M.D.
Mr. and Mrs. Donald F. Marchant
Mr. and Mrs. Paul Margetis
Anastasios Markou
Mr. and Mrs. Thomas E. Maroney
Patrick and Victoria Marsh
Richard A. Mayo
Claire L. McAfee
Mr. and Mrs. Robert H. McCaffrey
Mr. and Mrs. Glenn L. McDuffie
Trevor J.I. McGill, M.D.
Scott and Rebecca McGrath
Clement and Eunice McIver
Mr. and Mrs. David S. McLellan
Patricia B. McLeod
Deborah and Jason McManus

Mr. and Mrs. Arthur H. Meehan Jr.
Dimitrios Meletlidis
Gail K. Melhado
Mr. and Mrs. Gary Miller
Capt. and Mrs. Robert H. Miller
Mr. and Mrs. Robert C. Mitchell
Mr. and Mrs. William E. Mitchell
Mr. and Mrs. Adolf F. Monosson
Henry J. Moore
Mrs. Alfred L. Morse
John B. Mulliken, M.D.
Mr. and Mrs. Maurice J. Murphy Jr.
David and Ginger Murray
Dr. and Mrs. Joseph D. Musto
Dr. and Mrs. David G. Nathan
Mr. and Mrs. Thomas Newbold
William O. Newman
Pauline M. Nickerson
Mr. and Mrs. Alec W. Niconchuk
David M. Niconchuk
Patricia Niconchuk
Setsuo Niminiya
Mr. and Mrs. Leo Nunnari
Laurie A. Ohlms, M.D.
Alan J. Olsen
Mr. and Mrs. Robert J. Olshaw Jr.
Maurice M. Osborne Jr., M.D.
Mr. and Mrs. Gordon D. Owades
Mr. and Mrs. James J. Pallotta
Mr. and Mrs. Andrew J. Palmer
Linda Papadopoulos
Roy C. Papalia Jr.
Mr. and Mrs. Lambros Alex Pappas
Ralph and Carolyn Partan
Dr. and Mrs. Julian L. Pearlman
Mrs. Irving Perlmutter
Mr. and Mrs. Steven Perlmutter
Mr. and Mrs. George W. Phillips
Mr. and Mrs. Ervin Pietz
Mrs. Paul Pigors
Dorothy A. Pike
Mr. and Mrs. Charles W. Pingree

Mr. and Mrs. Francis J. Potter
Nancy and Joseph W. Potter Jr.
Mr. and Mrs. Alexander Pratt
Mattina R. Proctor
Mr. and Mrs. Irving W. Rabb
Mr. and Mrs. Norman S. Rabb
Norton H. Reamer
Mr. and Mrs. Sumner M. Redstone
Frederick E. Reed Jr., M.D.
Louise J. Reilly
Mr. and Mrs. Andrew A. Rempis
Mr. and Mrs. Lee W. Robbins Jr.
Joseph Roemer
Mr. and Mrs. George I. Rohtstein
Fred S. Rosen, M.D.
Mr. and Mrs. Leighton A. Rosenthal
Dr. and Mrs. Robert K. Rosenthal
Paul and Fay Rossley
David E. Salk
Susan Saltonstall
Cathryn L. Samples, M.D.
Mr. and Mrs. Albert J. Sandler
Mr. and Mrs. Julius Sandler
Gerard J. Sarnie and Peggy Slasman
Mr. and Mrs. Robert A. Schlager
Mr. and Mrs. Abe Schultz
Mr. and Mrs. Charles L. Schwager
Mr. and Mrs. Thomas R. Schwarz
Richard D. Scott, M.D., and Mary D. Scott, M.D.
Professor and Mrs. Sam Seifter
Steven K. Shama, M.D.
Mr. and Mrs. Josiah Shamroth
Frederic D. Shapiro, M.D.
Dr. and Mrs. Brian A. Shaw
Theodore Shoolman
Mr. and Mrs. Philip C. Shute
Robert W. Sides
Mr. and Mrs. Jonathan Sieber
Mr. and Mrs. Richard B. Simches
Bronnie S. Skrickus
Mr. and Mrs. Earl E. T. Smith Jr.
Mr. and Mrs. Richard A. Smith and Family
Mr. and Mrs. Robert D. Smith
Helen B. Spaulding
Shirley and Louis Spero
Paul D. Sponseller, M.D.
Mr. and Mrs. John K. Spring
Dennis F. Stoler, M.D., and Diane R. Stoler, M.D.
Anne B. Stone
Mr. and Mrs. Paul S. Stuka
M. Greely Summers
Robert S. Swanson III
Mr. and Mrs. Barry A. Sylvetsky
Mr. and Mrs. Edwin J. Taff
Mr. and Mrs. Arthur S. Tarlow
Mollie and Robert J. Tarr Jr.
Mr. and Mrs. Davis Taylor
Mrs. Harry Taylor
Pauline Taylor
Mr. and Mrs. Mason Tenaglia
Mrs. Yen Tow
Mr. and Mrs. Laurence H. Tribe

Mr. and Mrs. Richard Tuch
Mr. and Mrs. Barry S. Turkanis
Mr. and Mrs. Lee J. Twomey
Mr. and Mrs. Walter C. Upton
Professor and Mrs. Hugo Uyterhoeven
Noel Vander
Richard VanPraagh, M.D., and Stella VanPraagh, M.D.
Lillian B. Vash
Mr. and Mrs. Mark J. Vieira
Mr. and Mrs. Roger Wade
Mr. and Mrs. Jeffrey M. Wainger
Mr. and Mrs. Joseph B. Walker
Mr. and Mrs. Gerald Wall
Mrs. Jacob Wallace
Mr. and Mrs. James H. Walsh III
Mr. and Mrs. Howland S. Warren
Dr. and Mrs. Kenneth W. Warren
Hugh G. Watts, M.D.
Ilene K. Weinberg
Mr. and Mrs. David S. Weiner
Mr. and Mrs. Jerome J. Weinstein
Charles M. Werly
Mr. and Mrs. Henry Wheeler
Mr. and Mrs. Wayne K. Whippen
Mr. and Mrs. Thomas J. White
Fran Z. and Wayne J. Whitman
Katherine Winthrop
Matthew B. Winthrop
John G. Wolbach
Mr. and Mrs. William W. Wolbach
Mr. and Mrs. Marc Wolpow
Maryellen E. Wood
Amy Woods and Humberto Gil
Dr. and Mrs. Edward F. Woods
Mr. and Mrs. Francis S. Wright
Florence I. Yeats
Mr. and Mrs. Alan Zaff
David Zaleske, M.D.
Jane Zises

* Deceased

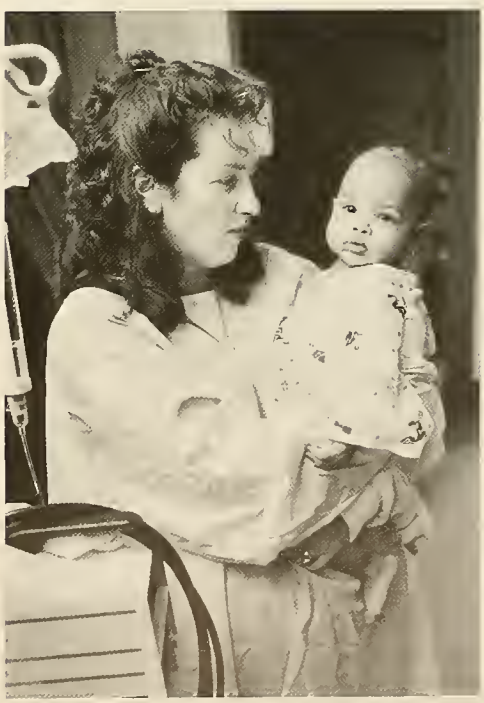
Corporations

The Acushnet Foundation
Adesa Auctions Boston
Advanced Storage Media Inc.
Alta Group Newspapers, Inc.
American Cyanamid Company
Anchor/Russell Capital Advisors, Inc.
Andover Coated Products, Inc.
Anonymous (2)
Astra Pharmaceutical Products, Inc.
Atlantic Plywood Corporation
BEB, Inc.
BALCO, Inc.
Bill Blass Ltd.
Borden, Inc.
Boston Celtics Limited Partnership
The Boston Company, Inc.
The Boston Globe
Boston Phoenix, Inc.
Bowne of Boston, Inc.
Boyle & Chase, Inc.
Bronner Slosberg Humphrey
CIO Publishing Corporation
CRW Company
CVS, Division of Melville Corp.
Cambridge Soundworks, Inc.
Central Massachusetts Gymnastics Center
Central Romana Corporation Limited
Chex Finer Foods, Inc.
Choate, Hall & Stewart
Cliflex Bellows Corporation
Colonial Realty Associates
Compass Management & Leasing, Inc.
Copithorne & Bellows
The Copley Plaza
Crusader Paper Company, Inc.
J.D. Daddario Co., Inc.
DePrisco Jewelers
Digital Equipment Corporation
The Endless Video Superstore
Essex Investment Management Co., Inc.

Filene's
Filene's Basement
The First Years
A Division of Kiddie Products, Inc.
Gale, Inc.
Gannett, Welsh & Kotler, Inc.
General Mills Foundation
The Gillette Company
Grantham, Mayo, Van Otterloo & Co.
C. Greene Construction Co., Inc.
H.O.P. E. Boston, Inc.
Haley & Ward, Inc.
Harcourt General Corporation Charitable Foundation
Harvard Community Health Plan
Hemenway & Barnes
Hill, Holliday, Connors, Cosmopulos, Inc.
Hoffmann-LaRoche Inc.
International Data Corp.
Jacobs Gallery
Kopelman & Shatz, Inc.
Thomas H. Lee Company
Legal Sea Foods, Inc.
Lexington Jewelers Exchange, Inc.
Mass. Health Research Institute, Inc.
Mass. Electric Construction Company
Massachusetts Financial Services Company
Dave Maynard Productions
J.D. Meagher, Inc.
Medford Co-Operative Bank
Middlesex Research Mfg. Co., Inc.
The Millipore Foundation
Mobil Foundation, Inc.
Monhegan Sail, Inc.
Morton International
The Mount Auburn Athletic Club, Inc.
Moynihan Lumber Co.
Muriel Siebert & Co., Inc.
Nashua Corporation
Nellcor, Inc.
New Balance Athletic Shoe, Inc.
The New England
New England Book Components, Inc.
New England Development, Inc.
New England Mobile Book Fair
New England Pest Control Association, Inc.
New England Power Service
Newman's Own, Inc.
Novametrix Medical Systems, Inc.
Robert Orr Enterprises
Pallis Chiropractic Center, P.C.
Parker Hannifin Corporation
Peabody & Arnold
Poland Spring
Polaroid Corporation
Providence Restaurant
The Putnam Companies
K.J. Quinn & Company, Inc.
R.M. Bradley & Co. Inc.
RBM Systems, Inc.
Repligen Corporation
Rockwell International
Ross Laboratories
Saks Fifth Avenue
The Salomon Foundation Inc
SensorMedics Corporation
Serono Laboratories, Inc.
Shell Oil Company Foundation
The Shipley Foundation, Inc.
Slade Gorton & Co., Inc.
The Smith Print, Inc.
John Solomon, Inc.
Sotheby's International Realty
SpookyWorld, Inc.
State Street Bank and Trust Company
S.S. Steiner, Inc.
Robert W. Sullivan Inc.
Taylor, Anderson & Travers
Technimed, Inc.
Tiffany & Co.
The Tobin Corporation
Turner Construction Company
USTele Centers, Inc.
Vanasse Hangen Brustlin, Inc.
Viewlogic Systems, Inc.
WCVB-TV, Channel 5
WFNX-FM
Wachusett Mountain
Warner-Lambert Company
Wellfleet Communications
Weston Pediatric Physicians, P.C.
Wright & Moehrke, P.C.

Foundations and Trusts

The Lassor and Fanny Agoos Charity Fund
Anonymous (2)
The Anthony Advocate Foundation
Applebaum Foundation, Inc.
Mary E. Armstrong Trust
Elisha V. Ashton Trust
Mabelle G. Balkam Trust
Barry Foundation
Charles H. Beattie Trust
Alan C. Bemis Charitable Trust
Boston Children's Heart Foundation
The Boston Foundation
Boston Mental Health Foundation, Inc.
Boston Projects, Inc.
Robert B. Brigham Trust
Ruth S. Burnham Trust
Cabot-Saltonstall Charitable Trust
CaP CURE
James F. Casey Fund
Casty-Dunn Families Charitable Foundation
Children's Cerebral Palsy Foundation
Children's Hospital Medical Center Otolaryngologic Foundation, Inc.
Children's Hospital Surgical Foundation
Children's Orthopaedic Surgery Foundation
CHMC Anesthesia Foundation
CHMC Cardiovascular Surgical Foundation, Inc.
Clifford Charitable Foundation, Inc.
The Endowment Funds of the Combined Jewish Philanthropies of Greater Boston
Leon and Toby Cooperman Foundation
The Copeland Family Foundation, Inc.
Ethel B. Crocker Trust
Darlington Charitable Trust
The Hazel Dell Foundation
Demoulas Foundation
Charles J. Draper Trust
Mary B. Dunn Charitable Trust
James W. Dunphy Trust
The Dyson Foundation
Eaton Foundation
Bradford M. Endicott Charitable Trust
Anna C. Erickson Trust
Grace Lillian Fish Trust
Alta W. Foster Trust
Mary Fowler Trust
Mary H. French Charitable Remainder Unitrust
Freund Foundation
Bernard F. and Alva B. Gimbel Foundation, Inc.
The Nehemias Gorin Foundation
Edward Greenfield Trust
Grosberg Family Charity Fund
Hermit Hill Charitable Lead Trust
The John Ernest Hoffman Foundation
Charles H. Hood Foundation
Henry Hornblower Fund, Inc.
Edgar H. Howell Trust
Margaret M. Hurley Trust
Jewish Federation of Cincinnati
The Jockey Hollow Foundation, Inc.
Esther B. Kahn Charitable Income Trust



Rita J. and Stanley H. Kaplan Foundation
Henrietta Wells Kennard Trust
Kids in Need Foundation, Inc.
Seth and Beth Klarman Foundation
The Kurz Foundation
Alfred V. Lincoln Charitable Trust
A. L. Mailman Family Foundation, Inc.
Eugene Joseph McCarthy Revocable Trust
National Neurofibromatosis Foundation, Inc.
New England Foundation
The New York Community Trust
The Newton Charitable Remainder Unitrust
S. Elizabeth O'Brien Trust
Orchard Foundation
Lilian H. Pearson Trust
Perlmutter Family Charitable Foundation
Joseph Persky Foundation
G. Gorham Peters Trust
Helen G. Peterson Trust
Harry M. Pethybridge Trust
Charles and Cornelia Pfaff Fund
The Picotte Family Foundation
Polaroid Foundation
Andrew W. Preston Charity Fund
Olive Higgins Prouty Foundation
The Prudential Foundation
Charles A. Rheault Charitable Lead Unitrust
Richard and Susan Smith Foundation
Ronald McDonald Children's Charities, Boston, Mass.
Ronald McDonald Children's Charities, Oak Brook, Illinois
Samuel Rosenthal Foundation

Thomas Morgan Rotch Jr. Memorial Fund
Rowland Foundation, Inc.
Lawrence J. and Anne Cable Rubenstein Charitable Foundation
Richard Saltonstall Charitable Foundation
Sawyer Charitable Foundation
Edward L. and Eleanor L. Schmidt Trust
Sharpe Family Foundation
William L. Shearer Trust
George and Beatrice Sherman Family Charitable Trust
Sholley Foundation, Inc.
The Joanne B. Simches Charitable Foundation
Harold T. N. Smith Memorial Foundation
Spaulding Foundation
The Seth Sprague Educational and Charitable Foundation
The Stevens Foundations
Anne and David Stoneman Charitable Foundation
Stranahan Foundation
Sidney A. Swensrud Charitable Lead Trust
Trinitas Foundation
Tucker Charitable Trust
Harold and Anna Ullian Charitable Foundation
United Cerebral Palsy Research and Educational Foundation, Inc.
Veiner Charitable Foundation
The Frederick E. Weber Charities Corp.
Mary Dana Wells Trust
Evelyn O. Weston Trust
Carl A. Weyerhaeuser Trust
Benjamin F. C. Whitehouse Trust
Gladys Whitehouse Trust
Wide Waters Fund, Inc.
William B. Wilkes Trust
The John and Dorothy Wilson 1981 Trust
Alice E. Wilson Trust
Nancy Chisholm/Winthrop Family Charitable Trust
William Zakon & Sons Charity Fund

Associations and Groups

Order of Ahepa Chapter #24
Allegro Microsystems, Inc., Employees
Alpha Omega Council, Inc.
Annie's Open Golf Tournament
Ashmont Discount Stores, Employees
Michael Joseph Bellevue Memorial Golf Tournament
Bethesda Lodge, No. 30., I.O.O.F.
Boston College
Breakfast with Dan and Bob for Children's
The Butcher Boy Classic Golf Tournament, The Yameen Family
Cambridge Electric Light Co. Employee Fund
Cathedral Sunday School
Children's Hospital Department of Radiology
Children's Hospital Division of Urology
The Children's Hospital League
Children's Hospital, Employees (One for All Fund)
Cohasset Benefit Tennis Tournament
Colorado Springs Orthopaedic Association, P.C.
Marianne Comeau's Benefit
Commissioners Charitable Golf Tournament
Cystic Fibrosis Meets Its Match
The Chet Stone Dillon Open
Dutch Kitchen, Inc., Customers
Eagles Memorabilia Auction
The Fessenden School
Friedman, Farmer & Friedman
Greek Children of the Newton Community
The Hellenic Cardiac Fund for Children
Hopkinton Middle/High School
Jewish Federation of Palm Beach County
Jewish Federation of The North Shore, Inc.
Knights of Columbus
Lend A Hand Society
Metallized Products, Inc., Employees
Metro-West All Star Football Classic
The Municipal Bond Club of Boston, Inc.
New England Association of Retail Lenders, Inc.
New England Patriots Football Club
New England Wood Carvers Association
North Waltham Baseball League
Norwell High School
Project Bread
Purity Supreme Employees Sunshine Fund
Rockland Golf Course and Friends
Sandra Marie's School of Ballet
State University of New York Health Science Center of Syracuse
State of Connecticut Office of the State Comptroller
United Way of Delaware
WBZ Farmstand
WBZ-Children's Hospital Fund
Walmart, Employees
The Warren Tavern Restaurant
Connie Watson Charity Golf Tournament
Weston Middle School
Wood Gundy Corp., Employees

Estates

Many friends of the hospital choose to remember Children's through their wills. During fiscal year 1994, generous gifts were received from the estates of the following people.

Sara Atkins
Shirley Booth Baker
Charles Bancroft
Mary F. Beal
Katharine O. Brainard
Minerva Bravman
John Burke
Evelyn C. Byng
Alice D. Cannon
Louise F. Carder
Joan Marie Carleton
John A. and Eileen F. Carr
Sylvia S. Colpak
Catherine E. Connolly
Lotta M. Crabtree
Sarah T. Craig
James F. Drummond
Philip Frieze
Saul Glassman
Eva M. Gordon
Frank B. Gordon
Gertrude H. Guillow
Madeline R. Hagerty
Catherine J. Hanley
Sylvia Alden Hansling
Barbara C. Hood
Martha Hosmer
Norma Mae MacLeod
Stanley L. McCarthy
Angelo C. Monti
Edith Seabury Nye
Beatrice Joy Packard
Henry Penn
Virginia Remington
Anne H. Trainer

Tributes

Many donors choose to honor and remember friends and loved ones through gifts to Children's. The following individuals were recognized with gifts totalling $1,000 or more in fiscal year 1994.

In honor of:

Nathaniel Baldwin
John Briggs
Jimmy Cambell
Aldo R. Castaneda, M.D., Ph.D.
Eliot Cohen
Zachary Friedland
Philip and Bernice Frieze
Tommy and Peter Gimbel
John E. Hall, M.D.
Kathryn Hume
Marianne Martin
The Mitchell Family
Bess and Chris Pappas
David Alan and Joshua Mark Rose
Scott Schlager
Eileen Sullivan and Douglas J. Must

In memory of:

Elizabeth Hamilton Almy
Michael Paul Amato
Karen Anne Arbia
Alexander Mosse Baer
Anne Elizabeth Beaton
Michael Joseph Bellevue
Kimberly Stacy Birger
Peter R. Blum
Henry Goddard Bradlee
Justine Marie Brazil
David Cayton
Rose Cohen
Frank H. Crocker
Tom and Rosalie Crocker
Simon F. D'Antona
Spiro P. Davis
William Tuthill Dickerson
Alexandra Dimitriou
Paul A. Dobuler
William F. Falvey Sr.
Edward Farrell
Ian Forbes
Jonathan M. Freedland
Anna S. Friend
Philip Frieze
Steven Robert Gaerttner
Hilda T. Goodwin
Harold K. Gross
Robert E. Gross, M.D.
John B. Haggerty
Paraskevi Hantzopoulos
Brian Hayes
Martin Peter Henneberry
Aaron N. Hoffman
Anne Holden
Franc D. Ingraham, M.D.
Charles A. Janeway
Sean Roy Johnson
David Kanter
Tommy Kaplan
Priscilla Kidder
Edith Moir Kiley
John A. Kirkpatrick Jr., M.D.
Richard LaRocque
Martin J. Lawless
Harry Lesser
Annette Mary Long
James R. Lorrey
Paul K. Losch, D.D.S.
Lena Manas
Casey Muldoon
Matthew Murphy
Ruth Gordon Nathan
Wendy Nessel

Alan Nimoy
Bob and Midge Nordblom
Kiley Glenn Pallis
Vasilios Papakyrilou
Jennifer J. Pickert
Amy Clare Potter
Austen Quagge
Thomas Regan
Charles William Rochette
Rochelle Elizabeth Rose
Mary Skrickus
Mary Kate Spellman
Robert A. Stranahan
Ken Szczypien
Rachel Taber
Yen H. Tow
Harold Ullian
Joshua Andrew Valliant
Anthony Vlahoulis
Margaret Walsh, M.D.
Max Warburg
Connie Watson
Nancy Weinberg
Dr. and Mrs. Fred M. Weiss
John J. Wilson
Alexis Wisner
Nicholas and Stacia Woods

Abigail Loring Society

The Abigail Loring Society recognizes individuals who have indicated that they have remembered Children's in an estate plan.

Anonymous
Elliott M. Abbott
Jason and Susanna Berger
in honor of Dr. Louis Diamond
Dr. and Mrs. Richard M. Calderon
Jessie B. Danielsen
Mrs. Elbert J. Drazy
Jacqueline E.M. Emery
Alfred J. Gallucci
Mr. and Mrs. Francis H. Gleason
Mr. and Mrs. Christopher W. Graham
Leslyn Anderson Hayden-Thorne
Mildred G. Houghton
Charles and Anastasia Inglis
Carol D. Ishkanian
Richard N. Ishkanian
Franklin J. and Stephanie M.* Marryott
Louise C. Noyes-Balboni
Stanley Shmishkiss
Dorothy E. Smerdon
Christine Tosi
Harold* and Anna Ullian
George* and Julia Veiner
Mr. and Mrs. David S. Weiner
John* and Dorothy Wilson
Bruce A. Wright Sr.
Mardie Manness Wright

* Deceased

Children's Hospital League Officers and Executive Committee, 1994

Kay Bernon, president
Charlotte Vena, vice president for Education
Laura Wernick, vice president for Fund Raising
Susan Karelitz, vice president for Membership
Jan Acard, treasurer
Gloria Cohen, assistant treasurer
Susan Stern, secretary
Laura Wernick, Festival chairman
Kay Bernon, Gail Wald, Festival co-chairmen

1994 Corporate Officers

George H. Kidder, chairman of the board
William L. Boyan, vice chairman of the board
William W. Bain Jr., treasurer
Miles Coverdale, assistant treasurer
David S. Weiner, president
Marjorie G. O'Kane, secretary
Antoinette J. Valenza, assistant secretary

1994 Board of Trustees*

William W. Bain Jr.
William L. Boyan
Aldo R. Castaneda, M.D., Ph.D.
Anne E. Dyson, M.D.
Gerald B. Healy, M.D.
Deborah C. Jackson
Stephen R. Karp
George H. Kidder
George H. Labovitz, Ph.D.
Joseph C. McNay
David G. Nathan, M.D.
George W. Phillips
Rudolph F. Pierce
Helen B. Spaulding
Judge Joseph L. Tauro
James H. Walsh III
David S. Weiner

*Drs. Anne E. Dyson and Gerald B. Healy joined the board in late 1994, replacing Dr. Aldo R. Castaneda and Judge Joseph L. Tauro.

Chairmen Emeritus

David I. Kosowsky, Sc.D.
The Hon. John P. LaWare
William W. Wolbach

Honorary Trustee

David A. Mittell

Overseers

Caroline B. Akins
Nancy S. Anthony
Keith W. Aspinall
Kay Bernon
James L. Bildner
Cynthia R. Boardman
Charles C. Cabot Jr.
Ellen R. Cohen
Gerald D. Cohen
William P. Collatos
Doreen Donovan Corkin
Steven D. Corkin
Theodore L. Craft
James H. Crissman
Betsy Pappas Demirjian
John P. Driscoll Jr.
Representative Kevin W. Fitzgerald
Joanne S. Forkner
Eugene M. Freedman
Peter H. Gallary
Andrea W. Gargiulo
James F. Gerrity III
Charles K. Gifford
Thomas S. T. Gimbel
Stanley P. Goldstein
Steven Grossman
Douglas E. Hart
Pamela S. Henrikson
Ellen Jaffe
George Jamieson
Edward C. Johnson 3d
Todd N. Kanter
David M. Kaplan
Jill E. Karp
Joan Bennett Kennedy
Stephen W. Kidder
Douglas A. King
Myra Kraft

Marty Wyngaarden Krauss, Ph.D.
Lawrence P. Lataif
Muriel Leventhal
Ellen Little
Robert P. Mastrovita
David Maynard
Richard A. Mayo
James S. McDonald
Donald R. Meltzer
Alan S. Miller
J. David Moran
Frances K. Moseley
John A. Nadas
Peter C. Nordblom
Joseph W. O'Connor
Bess Pappas
Diane Patrick
Julian L. Pearlman, M.D.
Steven Perlmutter
Kevin C. Phelan
John D. Pratt
Mattina R. Proctor
Norton H. Reamer
Jeffrey G. Saunders
Roger A. Saunders
Kenneth B. Schwartz
Roger D. Scoville
Ronald J. Sidman
Michele Simourian
Tania Gardner Smith
A. Tozzer Spalding
Alexander Spaulding
Frances Spaulding
John A. Spinola
Kirk A. Sykes
John F. Taplin
Thomas E. Tierney
Charlotte Vena
Edward F. Vena
Thomas R. B. Wardell
Linda C. Wisnewski
Robert Lee Wolff Jr.

Honorary Life Overseers

Charles F. Adams
Mrs. Charles F. Batchelder*
F. Gorham Brigham Jr.
Francis H. Brooks
John G. Brooks
William L. Brown
Libby Casty
Jane B. Cook
John L. Cooper
Leonard W. Cronkhite Jr., M.D.
Jessie B. Danielsen
F. Murray Forbes Jr.
George N. Friedlander
Constance B. Fuller
George P. Gardner Jr.
Lee Day Gillespie
Mary S. Gillette
Francis H. Gleason
Robert G. Gordon
Roland Gray Jr.
Leslyn A. Hayden-Thorne
Charles H. Hood
Pauline T. Mercer
E. James Morton
Alexander S. Nadas, M.D.
Elizabeth Bradlee Perry
Nancy E. Perry Jr.
Dorothy J. Piper
Joseph W. Potter Jr.
Nancy Upp Potter
Richard Prouty
Norman S. Rabb
Ephraim Radner
George Shapiro*
Mrs. George Sherman*
Stanley Shmishkiss
John K. Spring
Anne B. Stone
Humphrey H. Swift
Sara K. Wallace
Ann T. Warren
Loren C. White*
Howard S. Whiteside
Nancy Wilder
Marion Wing

* Deceased

Volunteer Service

The volunteers listed below completed 10 or more years of service in 1994.

Argiro Aghiorgoussis, 11
Joseph Bassett, 21
Robert Begin, 17
Paul Casey, 13
Margaret Cass, 12
Libby Casty, 20
Louis Cherson, 14
Marian Clark, 29
Laura Clarke, 10
Joanne DiSalvo, 12
Polly Dunn, 11
Jane Ferris, 12
Clyde Forde, 12
Edna Mae Foreman, 17
Edith Franklin, 16
Anne Gamble, 14
Nancy George, 18
Mary Georgenes, 15
Helen Ginsburg, 37
Marilyn Goldberg, 17
Priscilla Gray, 11
Robert Groden, 29
Bessie Kotsakis, 10
Charles Lloyd, 20
Ed Madden, 10
Gwen Muldoon, 10
Dick O'Shea, 14
Bess Pappas, 20
Chris Pappas, 13
Ed Parker, 10
Mae Rosenberg, 33
Kevin Rowe, 11
Ruth Savel, 41
Sandy Selesky, 22
Clara Sheskey, 12
Lillian Shulman, 37
Katherine Speliotis, 12
Patricia Squire, 13
Greely Summers, 17
Josephine Worrell, 12
Elizabeth Zausmer, 12

Executive Management Group

David S. Weiner, president
George L. Adler, Ph.D., vice president for Information Services
Miles Coverdale, vice president and chief financial officer
Michael F. Epstein, M.D., executive vice president and chief operating officer
Rudman J. Ham, vice president for Operations
Deborah C. Jackson, vice president for Network Development and Community Services
Anne M. Lang, vice president for Human Resources
Anne Malone, vice president for Development and Public Affairs
Stuart J. Novick, vice president and general counsel
Marjorie G. O'Kane, assistant to the president
Eileen M. Sporing, M.S.N., R.N., vice president for Patient Services
Carol Weinrib, vice president

Departments, Divisions, and Programs

Department of Anesthesia

Paul R. Hickey, M.D.,
anesthesiologist-in-chief
Mark A. Rockoff, M.D.,
associate anesthesiologist-in-chief

Anesthesia Services
Babu V. Koka, M.B., B.S.,
clinical director

Cardiac Anesthesia Service
Frederick A. Burrows, M.D.,
co-director
Dolly D. Hansen, M.D., co-director

Multidisciplinary Intensive Care Unit
Robert D. Truog, M.D., director

Pain Treatment Service
Charles B. Berde, M.D., Ph.D.,
director

Department of Cardiology

James E. Lock, M.D.,
cardiologist-in-chief
Jane W. Newburger, M.D., M.P.H.,
associate cardiologist-in-chief

Cardiac Catheterization Laboratory
John F. Keane, M.D., director

Cardiovascular Intensive Care Unit
David L. Wessel, M.D., chief

Electrophysiologic Laboratories
Edward P. Walsh, M.D., director

Cardiovascular Services
Michael D. Freed, M.D., chief

Noninvasive Cardiovascular Laboratories
Steven D. Colan, M.D., director

Department of Cardiovascular Surgery

Richard A. Jonas, M.D.,
cardiovascular surgeon-in-chief

Department of Dentistry

Stephen Shusterman, D.M.D.,
dentist-in-chief
Howard L. Needleman, D.M.D.,
associate dentist-in-chief

Department of Medicine

David G. Nathan, M.D.,
physician-in-chief
Frederick H. Lovejoy Jr., M.D.,
associate physician-in-chief

Division of Adolescent/Young Adult Medicine
Robert H. Durant, Ph.D., co-chief
S. Jean Emans, M.D., co-chief

Division of Emergency Medicine
Gary R. Fleisher, M.D., chief
Michael W. Shannon, M.D., M.P.H.,
associate chief

Division of Endocrinology
Joseph A. Majzoub, M.D., chief

Division of Gastroenterology/Nutrition
W. Allan Walker, M.D., chief

Clinical Gastroenterology and Nutrition
Alan M. Leichtner, M.D., director

Nutrition Support Service
Clifford W. Lo, M.D., Ph.D., director

General Clinical Research Center
R. Alan Ezekowitz, M.B., Ch.B.,
D.Phil., director

Division of General Pediatrics
Judith S. Palfrey, M.D., chief
William G. Bithoney, M.D.,
associate chief
Leonard A. Rappaport, M.D.,
associate chief

Birth Defects Center
Marilynn Haynie, M.D., director

Child Development Unit
Edward Z. Tronick, Ph.D., director

Comprehensive Child Health Program
William G. Bithoney, M.D.,
director

Family Development Program
Eli H. Newberger, M.D., director

Institute for Community Inclusion
William E. Kiernan, Ph.D., director

Martha Eliot Health Center
Joseph M. Carrillo, M.D.,
executive director

Medical Diagnostic Programs
Leonard A. Rappaport, M.D.,
director

Medical Information Sciences
George L. Adler, Ph.D., director

Pediatric Group Associates
Shari Nethersole, M.D., acting
director

Pharmacology/Toxicology Program
Alan D. Woolf, M.D., M.P.H.,
director

Services to Handicapped Children
William Berenberg, M.D., director

Division of Genetics
Louis M. Kunkel, Ph.D., chief

Clinical Genetics
Bruce R. Korf, M.D., Ph.D., director

Harvard Community Health Plan Services
John W. Graef, M.D., chief

Division of Hematology/Oncology
Samuel E. Lux IV, M.D., chief

Oncology Service
Holcombe E. Grier, M.D., chief

Bone Marrow Transplantation Service
Barbara Bierer, M.D., chief

Hemotherapy/Transfusion Medicine
Sherwin V. Kevy, M.D., director

Division of Immunology
Raif S. Geha, M.D., chief

Clinical Immunology
Lynda C. Schneider, M.D., director

Allergy
Lynda C. Schneider, M.D., director

Dermatology
Stephen E. Gellis, M.D., director

Immunology
Fred S. Rosen, M.D., director

Rheumatology
Robert P. Sundel, M.D., director

Division of Infectious Diseases
Kenneth McIntosh, M.D., chief

Laboratory of Molecular Medicine
David G. Nathan, M.D., director

Division of Nephrology
William E. Harmon, M.D., chief

Nephrology Research Laboratories
H. William Harris, M.D., Ph.D., director

Division of Newborn Medicine
Merton Bernfield, M.D., chief

Joint Program in Neonatology
Ann R. Stark, M.D., clinical director

Division of Pulmonary Medicine
Mary Ellen B. Wohl, M.D., chief

Ina Sue Perlmutter Laboratory for Cystic Fibrosis Research
Jeffrey M. Drazen, M.D., director

Inpatient Services
Frederick H. Lovejoy Jr., M.D., chief

Blackfan Service for School-Age Children
Gregory J. Young, M.D., chief

Clinical Pediatrics
John P. Cloherty, M.D., chief

Clinical Research Center Service
Kathy L. Jabs, M.D., chief

Janeway Service for Adolescents
Donald A. Goldmann, M.D., chief

Medical Intensive Care Service
Robert D. Truog, M.D., chief

Rotch Service for Infants and Toddlers
Edward J. O'Rourke, M.D., chief

Richmond Service for Psychiatry
Gordon P. Harper, M.D., chief

Short Stay Unit
Marc N. Baskin, M.D., chief

Department of Neurology

Joseph J. Volpe, M.D., neurologist-in-chief

Division of Neuroscience
Michael E. Greenberg, Ph.D., director

Department of Neurosurgery

Peter Black, M.D., Ph.D., surgeon-in-chief for academic affairs and neurosurgeon-in-chief

Clinical Pediatric Neurosurgery
R. Michael Scott, M.D., director

Department of Ophthalmology

Richard M. Robb, M.D., ophthalmologist-in-chief

Department of Orthopaedic Surgery

James R. Kasser, M.D., orthopaedic surgeon-in-chief

Division of Sports Medicine
Lyle J. Micheli, M.D., director

Department of Otolaryngology and Communication Disorders

Gerald B. Healy, M.D., surgeon-in-chief for clinical affairs and otolaryngologist-in-chief
Trevor J.I. McGill, M.D., associate otolaryngologist-in-chief

Communication Enhancement Center
Howard C. Shane, Ph.D., director

Department of Pathology

Ramzi S. Cotran, M.D., pathologist-in-chief

Department of Psychiatry

William R. Beardslee, M.D., acting psychiatrist-in-chief

Division of Psychology
Gerald P. Koocher, Ph.D., chief

Department of Radiation Oncology

C. Norman Coleman, M.D., chief, Joint Center for Radiation Therapy
Nancy J. Tarbell, M.D., division chief, Radiation Oncology

Department of Radiology

Donald R. Kirks, M.D., radiologist-in-chief

Division of Body Imaging
George A. Taylor, M.D., chief

Division of Diagnostic Radiology
Robert L. Lebowitz, M.D., chief

Division of Nuclear Medicine
S.T. Treves, M.D., chief

Department of Surgery

W. Hardy Hendren III, M.D., chief

Division of Gynecology
Marc R. Laufer, M.D., chief

Division of Plastic Surgery
Elof Eriksson, M.D., Ph.D., chief

Division of Urology
Alan B. Retik, M.D., chief
Arnold H. Colodny, M.D., associate chief

As parents watch their children take their first steps, pride and sweet sadness overwhelm them. For children, the event marks a passage towards independence, and for parents, a time to let go. When Christopher Thomas, 6, of Charlestown, Mass., abandoned his wheelchair and took his first steps with new leg braces, his mother, Denise O'Leary, knew that spirit and resolve would provide the strongest support for her young son. Born with myelodysplasia, a congenital defect of the neural tube, Christopher refuses to let his condition limit his dreams. Often found wheeling around on the t-ball court or swimming at the local pool, Christopher is taking determined steps to lead a full life.

Occurring in one of every 1,000 births in the United States, myelodysplasia, or spina bifida, results when one or more vertebrae fails to fuse during prenatal development and leads to a spinal opening that interferes with nerve signals between the body and the brain. Although the effects vary from child to child, the condition can result in fluid accumulation in the brain, bladder and bowel incontinence, paralysis in the lower extremities, and developmental delays.

Since birth, Christopher has been steadily followed by Children's multidisciplinary Myelodysplasia Program. From surgeons who repair nerve and orthopaedic defects to physical therapists who help children build muscle strength, the program staff encourage patients to maximize their independence, easing them toward self-sufficiency. Watching patients grow and thrive is a source of immeasurable satisfaction for all Children's staff, who share patients' thrill of achievement and parents' guarded joy of letting go.

Every day Children's supports and empowers young patients as they prevail over diseases and injuries. Please give to Children's this year. Your gift will help children like Christopher take steps toward achieving their own special victories.

NONPROFIT ORG.
U.S. POSTAGE
PAID
BOSTON, MASS.
PERMIT NO. 9

Children's Hospital

300 Longwood Ave.
Boston, Mass. 02115

ADDRESS CORRECTION REQUESTED